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National Acid Precipitation Assessment Program Emission Inventory Allocation Factors

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NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM EMISSION INVENTORY ALLOCATION FACTORS

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16. ABSTRACT

The report describes the processes, assumptions, and data sources used in developing the National Acid Precipitation Assessment Program (NAPAP) temporal, spatial, and species allocation factors. The processing of the NAPAP emissions inventory through the Regional Model Data Handling System (RMDHS) and the specifications for a new NAPAP data handling system are also detailed. The Eulerian acid deposition model being developed for use in the NAPAP required more resolved emissions data than are available in the NAPAP emissions inventory. The NAPAP inventory, which separately covers annual emissions from point and countywide area sources, had to be apportioned to reflect hourly emissions with area source emissions assigned to grid squares. Hourly emissions of volatile organic compounds (VOCs) then had to be allocated into photochemical reactivity classes and nitrogen oxides (NOx) emissions had to be separated into NO and NO2.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS		b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group	
Pollution	Assessment	Pollution Control	13B	14B
Data Processing	Emission	Stationary Sources	09B	14G
Euler-Lagrange Equation		NAPAP	12A	
Precipitation	Organic Compounds	Acid Rain	04B	07C
Acidity	Volatility	Volatile Organic Compounds	07D	20M
Nitrogen Oxides	Photochemistry		07B	07E

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FOREWORD

Version 4.2 of the NAPAP Inventory is an Eulerian model input file to be utilized in testing the NAPAP Acid Deposition Model. The NAPAP Emission Inventory was created from the 1980 NEDS "snapshot" inventory and has undergone various improvements since its initial creation in 1983. The NAPAP inventory is maintained using the Emission Inventory System (EIS) and contains annual emissions from point and area sources. Area source data are compiled on a county total basis, while point source data are compiled for individual sources. Further, emission totals for volatile organic compounds (VOC) and oxides of nitrogen (NO_x) actually represent composites of individual species.

To support development of the NAPAP Acid Deposition Model, Version 4.2 of the NAPAP Inventory was created, providing gridded hourly (GMT) emissions of SO_2, $SO_4^=$, NO, NO_2, NH_3; and VOC split into: alkanes, methane, alkenes, propylene, ethylene, aromatics, aldehydes, formaldehyde, organic acids, and formic acid for a single (24-hour) typical summer weekday. Changes from Version 3.0 of the NAPAP Inventory through 4.2 were undertaken to address the requirements of the NAPAP Acid Deposition Model, and represent the combined efforts of EPA, Radian, Engineering-Science, Inc., and GCA/Technology Division. This process entailed the creation of Versions 4.0, 4.1 and 4.2, as follows.

Version 4.0 represents two primary changes to version 3.0. First, using sulfate ($SO_4^=$) emission factors derived by Radian and ammonia (NH_3) emission factors derived by GCA/Technology Division, Engineering-Science incorporated $SO_4^=$ and NH_3 emissions into the inventory. The other major change from Version 3.0 entailed improvements to previously missing or incomplete UTM coordinate data.

Version 4.1 was created by Engineering-Science exclusively for use by GCA/Technology Division in generating Eulerian model input data. These changes were intended to facilitate processing of the emissions data through the Regional Model Data Handling System (RMDHS) and consisted of the following:

- Compressing the point source file from 201,000 emissions points to 25,298 while accounting for 98.1% of total SO_x emissions, 94.5% of NO_x, 89.9% of VOC, 91.2% of sulfate, and 100% of ammonia. The remaining point sources were combined by county and included as a separate area source category.

- Eliminating TSP and CO data from the point and area source files.

- Eliminating industrial fuel-coke, industrial fuel-process gas, vessels-coal, unpaved road travel, and unpaved airstrip LTOs from the area source inventory.
- Restructuring the area source file to occupy the first 54 available locations.
- Disaggregating the nationwide NAPAP files into four smaller files based on time zone boundaries.

To develop the Eulerian model input tape, GCA generated a set of temporal, spatial, and pollutant species allocation factors to apportion the annual emissions data in Version 4.1 into gridded, hourly emission totals with NO_x emissions split into NO and NO_2 and VOC resolved into 10 photochemical reactivity classes. EPA has, for similar modeling programs, developed a preprocessor system called the Regional Model Data Handling System (RMDHS)[3] for effecting the conversion. GCA made modifications to RMDHS to enable its use in NAPAP. The modified RMDHS calculated hourly emissions totals of NO_x, SO_2, SO_4, NH_3 and VOC, allocated VOC and NO_x into photochemical reactivity classes, separated out major point sources and assigned minor point sources and area sources to grid cells. The major inputs that enabled RMDHS to generate the Eulerian modeler's tape from the NAPAP annual emission inventory were temporal, spatial and pollutants species allocation factors, whose development is described in this report.

The allocation factors used to generate Version 4.2 are preliminary "working" files intentionally structured to facilitate their continuous improvement. A similar set of allocation factors were previously developed by GCA/Technology Division for use in the Northeast Corridor Regional Modeling Project (NECRMP). These allocation factor files served as the starting point for the NAPAP allocation factors. Due to time and resource constraints, efforts focused on extrapolation of the NECRMP factors. As time and resources permitted, enhancements were made. While further improvements can and should be undertaken, it is believed that the current factors are fully adequate to address the stated purpose of Version 4.2, that is, to provide an interim input file to enable development and testing of the Eulerian Acid Deposition Model.

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SECTION 1

INTRODUCTION

BACKGROUND

The National Acid Precipitation Assessment Program (NAPAP) was established by Congress in 1980 to coordinate and expand research on problems posed by acid deposition in and around the United States. The program is managed through the Interagency Task Force on Acid Precipitation which coordinates 10 task groups having specific technical responsibilities. One of these groups, Task Group B: Man-Made Sources, is charged with providing a complete and accurate nationwide inventory of emissions from man-made sources thought to be important in acid-deposition processes.

The most extensive use of the emissions inventory within NAPAP will be to support Eulerian and Lagrangian atmospheric models under development by Task Group C: Atmospheric Processes. Model development will require detailed emissions data for a variety of chemical species with spatial, seasonal, and temporal resolution. The needs of most other inventory users should be met if the data requirements for modeling are satisfied.

The NAPAP inventory, generated in 1983 from the National Emissions Data System (NEDS), contains annual emissions from point and area sources. Area source data are compiled on a county total basis, while point source data are compiled for individual sources. Emission totals in NAPAP for volatile organic compounds (VOC), oxides of sulfur (SO_x), and nitrogen oxides (NO_x) actually represent composites of various individual species. To support the NAPAP Eulerian Acid Deposition Model, further temporal, spatial, and species resolution is required.

To develop an Eulerian model input tape, GCA generated a set of allocation factors to apportion the NAPAP annual emissions inventory into gridded, hourly emission totals with NO_x emissions split into NO and NO_2 components and VOC resolved into 10 photochemical reactivity classes.

The NAPAP annual emissions inventory is currently maintained using the EPA's Emission Inventory System (EIS), which separately covers point source (EIS/PS)[1] and countywide area source (EIS/AS)[2] emissions. The EIS-formatted inventory cannot be used directly as input to drive the Eulerian acid deposition model. Instead, the data in EIS must be converted into an Eulerian model compatible format. EPA has, for similar previous modeling programs, developed a preprocessor system called the Regional Model Data Handling System (RMDHS)[3] for effecting the conversion. GCA made modifications to RMDHS to enable its use in NAPAP. The modified RMDHS calculated hourly emissions totals of NO_x, SO_2, $SO_4^=$, NH_3 and VOC, allocated VOC and NO_x into photochemical reactivity classes, separated out major point sources and assigned minor point sources and area sources to grid cells. The major inputs that enabled RMDHS to generate the Eulerian modeler's tape from the NAPAP annual emission inventory were temporal, spatial and pollutant species allocation factors, whose development is described in this report.

REPORT ORGANIZATION

The development of temporal, spatial and pollutant species allocation factors used to resolve the NAPAP annual emissions inventory are presented in Sections 2, 3 and 4, respectively. Section 5 discusses the processing of the NAPAP data through the RMDHS system, including the modifications that were required to enable RMDHS to process the NAPAP inventory.

Appendix A presents the temporal allocation factors while the spatial allocation factors are presented in Appendix B. The input files used to generate the species allocation factors are presented in Appendix C.

SECTION 2

TEMPORAL ALLOCATION FACTOR DEVELOPMENT

INTRODUCTION

RMDHS[1] has the capability to apportion the annual emission totals provided by the NAPAP Emission Inventory into hourly totals for a typical weekday for any season. The TPSPLIT program of RMDHS carries out this process by reading a file of temporal allocation factors and applying them to an EIS master file. TPSPLIT searches the temporal factor file and assigns the temporal distribution appropriate for the specific area source category, plant or process under consideration. This section discusses the development of the temporal allocation factors, resolved to a typical summer weekday, for point and area sources in the NAPAP inventory.

The temporal allocation of emissions by RMDHS is accomplished by applying a set of fractional multipliers to the annual emission totals. First, a seasonal fraction is applied to determine quarterly emissions for the season of interest (for this assignment, the summer seasonal fraction). Next, a daily fraction is applied which apportions the seasonal total to a daily total for a "typical" weekday (Monday through Friday). For example, if a process occurs uniformly 7 days per week, the daily fraction would be calculated as:

$$\text{Daily fraction} = \frac{1}{(13\ \text{weeks/season})(7\ \text{days/week})} = \frac{1}{91\ \text{days/season}} = 0.011$$

For a process operating only 5 days per week, the daily fraction would be calculated as:

$$\text{Daily fraction} = \frac{1}{(13\ \text{weeks/season})(5\ \text{days/week})} = \frac{1}{65\ \text{days/season}} = 0.015$$

Similarly, hourly totals are calculated by multiplying the daily totals by one of 24 hourly fractions representing an entire diurnal pattern. If all of a plant's emissions occur during a standard 8 a.m. to 5 p.m. workday, the multiplicative fraction for each of these hours would be calculated as:

$$\text{Hourly fraction} = \frac{1}{9\ \text{operating hours/day}} = 0.111$$

The hourly fraction for the 15 hours of nonoperation would, of course, be zero for sources whose emissions occur only during operative hours. All hourly allocation factors have been standardized from local time to Greenwich Mean

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Time. This standardization takes into account the particular daylight savings laws of each state, as well as the four time zones spanned by the NAPAP study area.

Temporal allocation factors had previously been developed for the area and point source categories in the Northeast Corridor Regional Modeling Project (NECRMP).[2] Although the focus of the NAPAP study necessitates a different treatment of the emissions data, and therefore, the allocation factors, the NECRMP point and area source temporal allocation factors provided a base for the NAPAP development. Owing to time and resource constraints, the temporal allocation factors from NECRMP, as well as the methodologies which produced them, were utilized extensively in the development of allocation factors for the NAPAP Emission Inventory.

TPSPLIT[1] has the ability to generate default point source temporal patterns based on point-specific operating rates contained in the EIS master file. However, if no temporal profile exists for an area source category, TPSPLIT defaults to a uniform emissions distribution. Therefore, during both the NECRMP effort and this study, emphasis was placed on developing temporal profiles for all area source categories.

AREA SOURCE FACTOR DEVELOPMENT

Temporal profiles were developed for all 54 of the EIS/AS area source categories chosen for the NECRMP effort. Although the NAPAP effort required the selection of a different set of area source categories, in most cases the NAPAP categories are either identical or related to NECRMP area sources. This correspondence between the two area source sets simplified the development of NAPAP temporal allocation factors: temporal profiles for a NAPAP category were often directly derived from those used for a related element of the NECRMP area source set. Table 1 provides a listing of the area source categories selected for NAPAP; the relationship of these categories to the NECRMP area source category listing is indicated.

The focus of the NAPAP study often necessitated the disaggregation of a NECRMP area source category into several, more refined categories for NAPAP. For example, NECRMP's onsite incineration area source category was broken down into three subcategories, reflecting industrial, commercial/institutional, and residential onsite incineration for the NAPAP effort. Other NECRMP categories, such as the four gasoline related activities, were more refined than necessary and so were grouped into a single, general process category in NAPAP. There are also a few NAPAP categories which were not included in the NECRMP study. For these, such as livestock fertilizer application, new temporal allocation factors were developed.

Temporal allocation factors for area sources are taken directly from the temporal variation of the activity or phenomenon which causes the emissions. In some cases, this cause is the activity itself, such as railroad traffic variations cause railroad emissions variations. In other cases, some other factor is involved, such as temperature, which "causes" the variation in residential heating emissions. Some of the activities that produce area source emissions vary very little from state to state; others are quite

TABLE 1. NAPAP AREA SOURCE CATEGORY NUMBERS AND DESCRIPTIONS FOR RMDHS

Category number	Category description
001	Residential Fuel--Anthracite Coal
002	Residential Fuel--Bituminous Coal
003	Residential Fuel--Distillate Oil
004	Residential Fuel--Natural Gas[a]
005	Residential Fuel--Wood
006	Commercial/Institutional Fuel--Anthracite Coal
007	Commercial/Institutional Fuel--Bituminous Coal
008	Commercial/Institutional Fuel--Distillate Oil
009	Commercial/Institutional Fuel--Residual Oil
010	Commercial/Institutional Fuel--Natural Gas[a]
011	Commercial/Institutional Fuel--Wood
012	Industrial Fuel--Anthracite Coal
013	Industrial Fuel--Bituminous Coal
014	Industrial Fuel--Distillate Oil
015	Industrial Fuel--Residual Oil
016	Industrial Fuel--Natural Gas[a]
017	Industrial Fuel--Wood
018	Onsite Incineration--Residential[b]
019	Onsite Incineration--Industrial[b]
020	Onsite Incineration--Commercial/Institutional[b]
021	Open Burning--Residential[b]
022	Open Burning--Industrial[b]
023	Open Burning--Commercial/Institutional[b]
024	Light Duty Gasoline Vehicles--Rural Roads[b]
025	Light Duty Gasoline Vehicles--Urban Roads[b]
026	Medium Duty Gasoline Vehicles--Rural Roads[b]
027	Medium Duty Gasoline Vehicles--Urban Roads[b]
028	Heavy Duty Gasoline Vehicles--Rural Roads[b]
029	Heavy Duty Gasoline Vehicles--Urban Roads[b]
030	Off Highway Gasoline Vehicles

(continued)

TABLE 1 (continued)

Category number	Category description
031	Heavy Duty Diesel Vehicles--Rural Roads[b]
032	Heavy Duty Diesel Vehicles--Urban Roads[b]
033	Off Highway Diesel Vehicles
034	Railroad Locomotives
035	Aircraft LTOs--Military
036	Aircraft LTOs--Civil
037	Aircraft LTOs--Commercial
038	Vessels--Diesel Oil
039	Vessels--Residual Oil
040	Vessels--Gasoline
041	Solvent Purchased[a]
042	Gasoline Marketed[a]
043	Forest Wild Fires
044	Managed Burning--Prescribed[b]
045	Agricultural Field Burning[b]
046	Structural Fires
047	Manure Field Application--Beef[c]
048	Manure Field Application--Daily Cows[c]
049	Manure Field Application--Hogs and Pigs[c]
050	Manure Field Application--Broilers[c]
051	Manure Field Application--Other Chickens[c]
052	Anhydrous NH_3 Fertilizer[c]
053	Beef Cattle Feed Lots[c]
054	Minor Point Sources[c]

[a] These area source categories are composites of two or more NECRMP categories.

[b] These categories were derived from NECRMP categories, which were disaggregated for the NAPAP effort.

[c] These categories have no equivalents in the NECRMP listing.

region-specific. Thus, temporal allocation factors for area sources can be specified on a countywide, statewide, or regionwide level. These levels of refinement reflect the region-specificity of the activity which produces the area source emissions.

The methods used in the NECRMP study to develop regionwide and state-specific temporal factors were scrutinized to determine their applicability for similar categories in NAPAP. In general, if a nonregion specific technique (such as government guideline values) or nationwide data (such as is represented by studies from several regions) were used to produce a NECRMP regionwide profile, that profile was assumed to accurately reflect the assigned area source emissions' temporal variation nationwide. However, if a regional study was relied upon for NECRMP regionwide profile development, an area source category subregional profile, often derived from Procedures for the Preparation of Emission Inventories for Volatile Organic Compounds; Volume II--Emission Inventory Requirements for Photochemical Air Quality Simulation Models,[3] hereafter referred to as the EPA Guidelines, was developed for the states not included in the NECRMP study area. The original NECRMP factors for that area source category were retained for the Northeast Corridor States.

State-specific temporal factors were developed for several area source categories in NECRMP. For the corresponding NAPAP category, these state-specific factors were used for the states in the NECRMP study area. The methodologies developed in NECRMP to produce these factors were utilized for those NAPAP states outside of the Northeast Corridor. The same data sources used to derive state-specific NECRMP factors were consulted, in most cases, in the development of state-specific factors for "non-NECRMP" states.

Temporal Allocation Factor Development

Following is a detailed description of the development of temporal factors for each area source category previously defined in Table 1. Note that related categories have been grouped together, and are assigned the same temporal pattern. Although this assignment required the development of only summer allocation factors, profiles for each of the 54 area source categories were developed for all seasons. To have done otherwise would have caused a great duplication of effort in the future. NAPAP area source categories are referenced by both name and category number, with the number following in parentheses (e.g., solvents purchased (41)).

Area Source Fuel Combustion--

The NECRMP study grouped area source fuel use into three user-specific categories to be scrutinized separately; residential, commercial/institutional, and industrial emissions variations from the combustion of all fuels within any user category were assumed to be adequately represented by the same temporal pattern.

Residential Fuel Combustion (01-05)--The temporal allocation factors used for these categories had been previously developed by GCA for the Sulfate Regional Experiment (SURE),[4] and were used in the NECRMP effort as well. For the SURE effort, a representative meteorological site in each state was chosen and summary meteorological data were obtained for those stations in 1977 (the base year of the SURE inventory). Seasonal patterns were developed on monthly average degree day data, while monthly averages of 3-hour meteorological records were used to develop season-specific hourly patterns for each state in the Eastern United States. The SURE-developed factors, which had been used in NECRMP, were retained for those states within the NECRMP study area.

A methodology similar to the one used to develop factors for the NECRMP states was utilized for the rest of the NAPAP study area. Monthly average heating degree days for each state were obtained from State, Regional, and National Monthly and Seasonal Heating Degree Days Weighted by Population;[5] from these data, the seasonal temporal factors for each non-NECRMP state were developed. The hourly variations in residential fuel use were developed, with data from the NOAA,[6] using the methodology put forth in the Emissions Inventory in the SURE Region.[4] However, since the NAPAP inventory provides a picture of the nation in 1980, both the seasonal and hourly meteorological data used reflect 1980 measurements. In future efforts, as resources permit, 1980 data should replace 1977 data for the SURE region.

Commercial/Institutional Fuel Use (06-11)--The seasonal pattern for commercial/institutional fuel combustion, derived from the EPA Guidelines[3] for NECRMP, was assumed to adequately represent the entire NAPAP study area. However, the daily and hourly patterns, developed using the Philadelphia AQCR Inventory,[7] were considered too specific to be used for the entire nation. Thus, subregional daily and hourly patterns, derived from the EPA Guidelines, were used for those states not included in the NECRMP study.

Industrial Fuel Use (12-17)--Again, the NECRMP study utilized the Guidelines[3] and data from Philadelphia,[7] respectively, in the development of seasonal and daily/hourly factors. These patterns were retained for the NECRMP states, with seasonal, daily, and hourly patterns from the EPA Guidelines used for non-NECRMP states.

Onsite Incineration/Open Burning (18-23)--

The onsite incineration and open burning categories used in NECRMP were further refined in the NAPAP study. Each category was broken down into three subcategories, reflecting residential, commercial/institutional, and industrial activities. The temporal factors developed in NECRMP, which were developed from existing inventories,[4,8-11] predicted a uniform seasonal distribution with both activities occurring 5 to 6 days per week, primarily during the daylight hours (5 a.m. to 8 p.m.). This profile was considered adequate to represent the residential, commercial/institutional, and industrial subcategories of onsite incineration and open burning for the NAPAP study area. It is realized, however, that refinements should be made to these profiles, as differences surely exist in the temporal variations of each subcategory.

Highway Vehicles (24-29, 31-32)--

This class of area sources has been divided into eight subcategories in the NAPAP study, reflecting activities of light duty, medium duty, and heavy duty gasoline vehicles on rural and urban roads, and heavy duty diesel vehicles on rural and urban roads. As in the NECRMP study, a uniform seasonal distribution was assumed for all subcategories for all states. The separate hourly patterns for gas and diesel vehicles, developed from regional studies[7,13] for the NECRMP effort were used for all states. It is recognized that highway vehicle emissions fluctuate seasonally, not so much as a function of activity variations, but more as a (non-linear) function of temperature. Short of computing these variations on a county-to-county basis and coding temporal allocation factors on a county level, the current data handling system, RMDHS, does not permit these kinds of adjustments. Owing to the tremendous increase in data processing costs associated with county-specific temporal factors in RMDHS, better handling of the temporal variations of emissions from this source category has been deferred until a more efficient data handling system can be developed.

Off-Highway Vehicles (30-33)--

The off-highway gas and diesel powered vehicle categories in NECRMP remained intact for the NAPAP effort. The methods used to determine temporal factors for NECRMP states were duplicated in the development of profiles for the rest of the NAPAP study area.

State-specific seasonal emission patterns for off-highway gasoline and diesel powered vehicles were derived from data contained in Highway Statistics.[14] Monthly distribution of off-highway motor fuel use was calculated by subtracting monthly on-highway fuel use (Table MF-23 of Highway Statistics) from total monthly fuel use, (Table MF-22).* Seasonal allocation factors were then derived from the monthly pattern and assigned to both the gasoline (30) and diesel (33) categories.

Nationwide daily variations for both off-highway categories were calculated as a composite of daily patterns (weighted by emission strength) of the appropriate five subcategories (agricultural equipment, construction equipment, industrial equipment, lawn and garden equipment, and motorcycles) that were found in the EPA Guidelines.

Separate hourly patterns were developed for gasoline (48) and diesel (49) vehicles, as follows. First, a single hourly pattern was developed for the composite of the five component subcategories identified previously, using data from Table 6-6 of the Guidelines[3] and the Regional Air Pollution Study: Off-Highway Mobile Source Emission Inventory.[15] Next, percentages of gasoline and diesel usage were broken out for the five subcategories of off-highway use with information obtained from Highway Statistics, 1980[16] (Table MF-24), "Private and Commercial Non-Highway Use of Gasoline" and a combination of material from various area source emission inventories (Delaware,[18] New Hampshire,[19] Ohio,[20] and Virginia[21]). These weighting percentages were then applied to the composite hourly curve to devise two separate composite curves for gasoline (30) and diesel (33) off-highway fuel.

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*1978 data were used in the exercise as more current versions of Highway Statistics[16,17] lacked the required tables.

Railroads (34)--

The temporal factors developed for railroad locomotives (34) in the NECRMP study were based on information provided by Conrail and in the Philadelphia AQCR Inventory.[7] These data are probably not representative of the entire nation. Thus, the NECRMP-developed temporal profile for railroads was used only for those states within the NECRMP study area; new seasonal, daily, and hourly patterns, developed from factors in the EPA Guidelines,[3] were used for the remaining states in the NAPAP inventory.

Aircraft (35-37)--

Data from the Civil Aeronautics Board,[22] the EPA Guidelines,[3] and several existing area source inventories[6,7-11] were investigated to develop temporal patterns in emissions from aircraft (35-37). For military aircraft (35), seasonal, daily and hourly trends from NECRMP were utilized.

Guideline values were used nationwide for seasonal, daily and hourly variations for civil aircraft (36). Seasonal patterns in commercial aircraft emissions (37) were derived from data presented in Seasonally Adjusted Traffic and Capacity[22] for 1980. Commercial aircraft emissions were assumed to occur 7 days per week, 24 hours per day, with 90 percent of all commercial traffic occurring between 6 a.m. and midnight.

Vessels (38-40)--

Temporal variations for diesel oil (38) and residual oil (39) vessels in the NECRMP study were developed from the EPA Guidelines.[3] These were retained as nationwide profiles for NAPAP. New values for all states, using EPA Guideline methods, were developed for the gasoline vessels (40), also known as pleasure craft. The Guidelines recommends seasonal allocation factors based on the number of months the mean temperature exceeds 45°F. State, Regional and National Monthly and Annual Average Temperatures Weighted by Area[23] was consulted to obtain state-specific temperature data. Daily and hourly allocation factors developed from the EPA Guidelines for pleasure craft were used nationwide.

Solvents Purchased (41)--

This NAPAP area source category is a composite of several categories used in the NECRMP study, as follows:

- small industrial/commercial degreasing,
- dry cleaning,
- architectural surface coating,
- autobody refinishing,
- small industrial surface coating,
- graphic arts,
- commercial/consumer solvent use,

- cutback asphalt, and
- pesticides.

A weighted average of the seasonal daily and hourly patterns for these categories was calculated to produce a composite profile for the solvents purchased category (41). This profile was used for all states in the NAPAP study area. Weighting was done on the basis of category annual VOC emissions as these are primarily VOC sources. Annual VOC emissions totals were taken from NECRMP Volume XVIII: Inventory Review and Evaluation (Table 8--NECRMP Area Source Emissions by Category).[24] Pesticides was a state-specific area source category in the NECRMP effort, but, rather than create state-specific profiles for the composite, this relatively minor emitter (pesticides represents approximately 3 percent of total annual VOC emissions for the group) was ignored during the weighting process.

Gasoline Marketed (42)--

The various stages of gasoline evaporation represented in NECRMP were combined in the NAPAP effort to form one composite category. Again, weighted average calculations were performed as needed to produce a temporal profile for the gasoline marketed category (42). Daily and hourly patterns developed during the NECRMP effort from the EPA Guidelines[3] for Stage I gasoline evaporation, Stage II gasoline evaporation, storage tank breathing, and gasoline loading/transit were weighted on the basis of category VOC emissions listed in NECRMP Volume XVIII.[24] The resultant category was used for all states in the NAPAP study area. Since all four component NECRMP categories were assigned a uniform seasonal distribution, a uniform seasonal distribution was also assigned to the gasoline marketed category (42) for all states.

Agricultural, Structural, and Forest Fires--

Managed burning (44) and agricultural field burning (45) used the pattern developed for field/slash burning in the NECRMP study. Burning was assumed to occur 7 days per week, primarily between 5 a.m. and 8 p.m. It was also assumed that no burning would occur during the oxidant season.

Structural fires (46) and forest fires (43) were assumed to occur randomly, 7 days per week, 24 hours per day. Since random distributions are not possible in RMDHS, a uniform pattern was used. Structural fires were assumed to occur uniformly throughout the year also. It was estimated that 90 percent of the forest fires occur during the summer or fall and the remaining 10 percent are split evenly between the winter and spring seasons.

Manure Field Application (47-51) and Beef Cattle Feed Lots (53)--

These categories have no corresponding elements in the set of NECRMP area source categories. Owing to a lack of available study data, manure application by beef (47), dairy cows (48), hogs and pigs (49), broilers (50) and other chickens (51) was assumed to be uniform seasonally, daily and hourly. The uniform distribution was also assumed to occur from beef cattle feed lots (54).

Anhydrous NH_3 Fertilizer (52)--

Seasonal variations for anhydrous ammonia injection (52) were derived from "Natural and Fertilizer-Induced Emissions of Nitrous Oxide from Soils"[25] (Table III. Seasonal Variability in Rate of N_2O Emissions at Two Sites (April-December 1979)). This reference presented hourly averages of N_2O emissions by month. Although this source presents a seasonal distribution of N_2O emission rates from soils, it does not truly present the temporal variability of emissions from NH_3 fertilizer application. A search should be continued for a more accurate seasonal distribution for this area source category.

Minor Point Sources (54)--

The temporal variation for this category of small (<300 tons/yr each of NO_x and VOC), ground level point sources was taken from the RMDHS point source temporal allocation default. This pattern assumes a standard operating schedule of 52 weeks per year, 5 days per week and 8 hours per day beginning at 7 a.m. (local time).

POINT SOURCE FACTOR DEVELOPMENT

Point source temporal allocation factors were developed during the NECRMP study for power plants. These factors were modified as needed, and included in the NAPAP effort for the states within the northeast corridor.

Point source hourly temporal factors for electric utilities were calculated using hourly power plant fuel use data previously collected by GCA for use in the Electric Power Research Institute's (EPRI) SURE program.[4] The SURE effort resulted in the collection of criteria pollutant emissions for the Eastern United States and Southern Canada. Included in this effort was a survey of hourly fuel use data for approximately 300 power plants within the SURE region for several study periods, at least one for each season. Since the SURE study area included all of the NECRMP study area and the power plants contained in the hourly inventory represented approximately 90 percent of the utility SO_x emissions in the SURE region, the SURE data are believed to represent the best available data for determining hourly emission patterns.

There were no SURE hourly fuel use data available for the States of Rhode Island or Vermont. Factors were assigned from the neighboring states of Connecticut and New Hampshire, respectively.

Fuel and state-specific seasonal temporal factors were derived from power generation statistics obtained from the U.S. Department of Energy's (DOE) 1979 Energy Data Reports.[27] The DOE seasonal factors and SURE hourly factors were merged and coded into RMDHS format.

Point source temporal factors for other industries were not developed owing to resource constraints and the lack of available data. The EIS point source operating rate data used for developing default factors in TPSPLIT are probably as accurate as any general temporal factors that could be developed. When RMDHS encounters an emission point for which there is no corresponding temporal allocation factor record, it generates a pattern based on the point-specific operating rate data contained in the EIS/PS record in question.* Some studies describing point source temporal variation are available and were examined. These included the Regional Air Pollution Study (RAPS),[8] an Urban Airshed Model emission inventory for Tulsa,[9] and a similar study in the Philadelphia AQCR.[7] The temporal factors in those studies were found to be chiefly plant-specific and appropriate generalizations could not be made regarding applicability to broad industry classes.

TEMPORAL ALLOCATION FACTOR FILE COMPUTERIZATION

The point and area source temporal allocation factors were computerized for entry into the RMDHS allocation routine, TPSPLIT. The TPSPLIT program accepts temporal allocation data in a file called the "Temporal Splits File," which consists of three card image types. The first is a Title Card, consisting of up to 80 characters of identifying text. The actual allocation data are contained in a series of "type 1" and "type 2" cards. Both of these card types contain key information that allow a temporal profile to be tied to an emission category (SCC) on a regionwide, state, county, plant, or point-specific basis. Additionally, type 1 cards include a seasonal percentage, a daily fraction, and hourly percentages for hours 1-16 of the day. Type 2 cards include hourly fractions for hours 17-24 of the day. Card formats for type 1 and type 2 cards are provided in Tables 2 and 3, respectively. A more comprehensive discussion of the TPSPLIT Program can be found in the RMDHS User's Guide.[1]

The TPSPLIT program assigns a temporal profile to a process on the basis of the process SCC code. This 8 digit code provides a 4-level definition of a given process. For example, SCC 1-02-002-03 corresponds to an "external combustion boiler-industrial use-bituminous coal fuel-cyclone furnace." Each piece of the SCC brings a more refined definition to the process. SCC, however, are only provided for point source processes. In order for TPSPLIT to assign temporal patterns to area sources, new "psuedo-SCC" had to be assigned to each area source category. For ease of SCC-area source recognition, each area source category was assigned an SCC of the form "999999xy," where "xy" is the 2 digit NAPAP category number of that area source category.

TIME ZONE MODIFICATION

RMDHS provides the formatted, hourly emissions data required by the Eulerian Acid Deposition Model. This model can produce a snapshot of the emissions being produced across the country in a desired time span, say

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*If no plant or SCC-specific temporal factors are available, RMDHS will first default to the operating parameters contained in the EIS point source record to determine a temporal pattern. If these operating data are incomplete, RMDHS assumes a standard operating pattern of 52 weeks per year, 5 days per week and 8 hours per day, beginning at 0700, local time. See Appendix D of Reference 1 for details.

TABLE 2. TPSPLIT—TEMPORAL SPLITS FILE, TYPE 1 CARD FORMAT

Record position				
First	Last	Length	Data item picture	Description
1	2	2	X(2)	STATE CODE
3	6	4	X(4)	COUNTY CODE
7	10	4	X(4)	PLANT CODE ('0000' OR '9999' FOR AREA SOURCES)
11	13	3	X(3)	POINT CODE OR AREA SOURCE MAJOR GROUP
14	14	1	X(1)	LEVEL 1 SCC
15	16	2	X(2)	LEVEL 2 SCC
17	19	3	X(3)	LEVEL 3 SCC
20	21	2	X(2)	LEVEL 4 SCC
22	22	1	X(1)	DAY IDENTIFIER
23	25	3	9(2)V9	SEASONAL PERCENT
26	29	4	V9(4)	DAY's FRACTION OF SEASON
30	32	3	9(2)V9	0000-0100 PERCENT*
33	35	3	9(2)V9	0100-0200 PERCENT
36	38	3	9(2)V9	0200-0300 PERCENT
39	41	3	9(2)V9	0300-0400 PERCENT
42	44	3	9(2)V9	0400-0500 PERCENT
45	47	3	9(2)V9	0500-0600 PERCENT
48	50	3	9(2)V9	0600-0700 PERCENT
51	53	3	9(2)V9	0700-0800 PERCENT
54	56	3	9(2)V9	0800-0900 PERCENT
57	59	3	9(2)V9	0900-1000 PERCENT
60	62	3	9(2)V9	1000-1100 PERCENT
63	65	3	9(2)V9	1100-1200 PERCENT
66	68	3	9(2)V9	1200-1300 PERCENT
69	71	3	9(2)V9	1300-1400 PERCENT
72	74	3	9(2)V9	1400-1500 PERCENT
75	77	3	9(2)V9	1500-1600 PERCENT
78	78	1	X(1)	FILLER
79	79	1	X(1)	'1'
80	80	1	X(1)	'1'

*Times represent Greenwich Mean Time (GMT).

TABLE 3. TPSPLIT--TEMPORAL SPLITS FILE, TYPE 2 CARD FORMAT

Record position		Length	Data item picture	Description
First	Last			
1	2	2	X(2)	STATE CODE
3	6	4	X(4)	COUNTY CODE
7	10	4	X(4)	PLANT CODE ('0000' OR '9999' FOR AREA SOURCES)
11	13	3	X(3)	POINT CODE OR AREA SOURCE MAJOR GROUP
14	14	1	X(1)	LEVEL 1 SCC
15	16	2	X(2)	LEVEL 2 SCC
17	19	3	X(3)	LEVEL 3 SCC
20	21	2	X(2)	LEVEL 4 SCC
22	22	1	X(1)	DAY IDENTIFIER
23	29	7	X(7)	FILLER
30	32	3	9(2)V9	1600-1700 PERCENT
33	35	3	9(2)V9	1700-1800 PERCENT
36	38	3	9(2)V9	1800-1900 PERCENT
39	41	3	9(2)V9	1900-2000 PERCENT
42	44	3	9(2)V9	2000-2100 PERCENT
45	47	3	9(2)V9	2100-2200 PERCENT
48	50	3	9(2)V9	2200-2300 PERCENT
51	53	3	9(2)V9	2300-2400 PERCENT
54	78	25	X(25)	FILLER
79	79	1	X(1)	'2'
80	80	1	X(1)	'1'

0800-0900 hours. However, the NAPAP study area spans four time zones, and the temporal allocation factors for both point and area sources reflect the local time of the source origin. In other words, hour 0800 on the West Coast reflects Pacific time, while hour 0800 on the East Coast reflects Eastern time (a 4 hour difference). In order to provide a consistent meaning to each of the 24 hourly emission factors in the temporal splits file, the factors for each SCC were standardized.

The standard to which all local times zone were resolved is Greenwich Mean Time (GMT), reckoned from the Prime Meridian of Longitude in Greenwich, England. Eastern, Central, Mountain and Pacific Standard times are 5, 6, 7, and 8 hours earlier, respectively, than GMT. For the summer, Daylight Savings Time (DLS) advances each time zone by an additional hour. Thus, for Eastern DLS time areas, hour 16 time corresponds to hour 20 GMT. The hourly temporal factor array elements in Eastern, Central, Mountain and Pacific Time Zone areas had to be advanced 4, 5, 6, and 7 hours in order that they would reflect GMT.

Area Source Temporal Factor Standardization

In order to standardize area source temporal factor profiles, it was necessary to create four time zone specific temporal factor files, and to appropriately alter the hourly temporal profiles in each file so that the factors reflect GMT. For this effort, detailed listings of the specific states and counties in each time zone were developed. These listings were used to generate four files of time zone specific temporal factors resolved to state and/or county levels. The nationwide profiles created for some of the area source categories were appended to each time zone specific factor file. A computer routine was then developed to shift the elements of each hourly allocation array the proper amount to reflect GMT.

The huge bulk of emissions data associated with the NAPAP effort necessitates several runs of RMDHS to process it all. Engineering-Science, contracted to develop the NAPAP Emission Inventory, has provided time zone specific emissions data files, which were processed with the appropriate time zone specific temporal allocation factor files.

Assignment of NAPAP Areas to Time Zones--

Detailed listings of the areas in each of the four time zones were developed using data from the Department of Transportation,[30,31] and map information from various atlases and guides.[28,29,32] Time zone lines are most often drawn along state boundaries; however there are 12 states (Texas, Kansas, North Dakota, Nebraska, Oregon, Idaho, Florida, Indiana, Michigan, South Dakota, Kentucky and Tennessee)[28,30] which straddle two time zones. For these states, the specific counties in each time zone were determined using Standard Time Zones of the United States[30] and the Rand McNally Commercial Atlas and Marketing Guide.[29] Because RMDHS defaults to a state-specific temporal factor for a given SCC if no county-specific factors are provided, county-specific patterns were required for only those areas in a given state on one side of the time zone split. A statewide profile, listed in the temporal factor file for the other time zone, was used for the remaining counties. For example, the Texas counties of El Paso (1700) and Hudspeth (2590) lie in the Mountain Time Zone, while the remaining counties lie in the Central Time Zone. It was only necessary to develop county-specific temporal factors for El Paso and Hudspeth in the Mountain Time Zone file. The emissions data for the remaining Texas counties, finding no county-specific listings, will utilize a statewide pattern in the Central Time Zone file.

Since the current assignment requires temporal profile data for a typical summer day, the daylight savings time laws of each state were accounted for in the assignment of each area to a time zone group. Some states have passed laws to exempt themselves from the Uniform Time Act, which places all states on Daylight Savings Time from the last Sunday in April until the last Sunday in October. The State of Arizona has exercised this option, and remains on the Mountain Standard Time schedule year round. In the summer months Arizona, actually referencing Pacific Daylight Savings Time, is 1 hour behind its Mountain Time Zone neighbors. As a consequence, Arizona is included in the Pacific Daylight Savings Time file of temporal factors. Indiana is one of the 12 states which lies in more than 1 time zone. In order to create a consistent time throughout the state, Indiana has chosen to exempt its eastern counties from Daylight Savings Time, so that from April to October the entire state is on Central Daylight Savings Time.

Table 4 lists the states and counties associated with the Eastern, Central, Mountain, and Pacific Time Zones during the Daylight Savings Time period. State and county codes used were taken from the AEROS Volume V: The AEROS Manual of Codes.[33]

A computer routine was developed to generate time zone specific temporal files, using the listings of areas in each time zone and the listing of state-specific temporal factors for area sources. Each run of the program uses one of the time zone specific area listings and the state-specific temporal factor files as input, merging the profiles with the correct state and/or county entries in the time zone specific file. The result is a time zone specific temporal factor file.

Up to this point, the temporal profile data for all four seasons (coded as days 1-4 for each SCC) has been included in the temporal allocation factor file development. But since the time standardization procedure is dependent on the seasons, only the summer allocation factors (day 3) are included in this last step below.

The final task of the time zone modification process was the rearrangement of hourly profile factors so that they reflect standard time. This was accomplished by shifting the hourly profile array over by the proper factor (which will be different for each time zone specific temporal factor file). For example, the Eastern Time Zone hourly profile array elements were shifted four entries to the right:

TABLE 4. STATES AND COUNTIES WITHIN THE NAPAP STUDY AREA, BY TIME ZONE

Group 1: States and Counties in the Eastern Time Zone

07	Connecticut
08	Delaware
10[a]	Florida (parts of)
11	Georgia
18[a]	Kentucky (parts of)
20	Maine
21	Maryland
22	Massachusetts
23[a]	Michigan (parts of)
30	New Hampshire
31	New Jersey
33	New York
34	North Carolina
36	Ohio
39	Pennsylvania
41	Rhode Island
42	South Carolina

The following Tennessee (State 44) Counties:

440040[a]	Anderson
440180	Blount
440220	Bradley
440300	Campbell
440360	Carter
440440	Claiborne
440540	Cocke
441180	Grainger
441200	Greene
441260	Hamblen
441280	Hamilton
441300	Hancock
441380	Hawkins
441620	Jefferson
441640	Jefferson City
441660	Johnson
441680	Johnson City
441720	Knox
442000	Loudon
442080	McMinn
442320	Meigs
442400	Monroe
442740	Polk
442840	Rhea

(continued)

TABLE 4 (continued)

442880	Roane
443040	Sevier
443300	Sullivan
443310	Sullivan Gardens
443460	Unicor
443480	Union
443500	Union City
443560	Washington

47	Vermont
48	Virginia
50	West Virginia

Group 2: States and Counties in the Central Time Zone

01	Alabama
04	Arkansas

The following Florida (State 10) Counties:

100200[a]	Bay
100215	Bay Crest
100220	Bay Harbor Islands
100460	Calhoun
101160	Escambia
101580	Gulf
101585	Gulf Breeze
101590	Gulf Gate Estates
101860	Holmes
101865	Holmes Beach
101940	Jackson
103160	Okaloosa
104060	Santa Rosa
104640	Walton
104680	Washington
104685	Washington Park

14	Illinois
15	Indiana
16	Iowa
17[a]	Kansas (parts of)

The following Kentucky (State 18) Counties:

180020[a]	Adair
180040	Allen
180100	Ballard

(continued)

TABLE 4 (continued)

		180160	Barren
		180410	Breckinridge Center
		180420	Breckinridge
		180460	Butler
		180480	Caldwell
		180500	Calloway
		180560	Carlisle
		180700	Christian
		180760	Clinton
		180820	Crittenden
		180840	Cumberland City
		180860	Cumberland
		180920	Davies
		181020	Edmonson
		181340	Fulton City
		181360	Fulton
		181480	Graves
		181490	Grayson
		181520	Green
		181580	Hancock
		181600	Hardin
		181700	Hart
		181740	Henderson City
		181760	Henderson
		181790	Hickman City
		181800	Hickman
		181840	Hopkins
		182320	Livingston
		182340	Logan
		182440	Lyon
		182460	McCracken
		182500	McLean
		182600	Marshall
		182700	Meade
		182760	Metcalfe
		182840	Monroe
		182960	Muhlenberg
		183080	Ohio
		183570	Russell City
		183740	Simpson
		183840	Todd
		183860	Trigg
		183900	Union
		183960	Warren
		184020	Webster
19	Louisiana		

(continued)

TABLE 4 (continued)

The following Michigan (State 23) Counties:

231200[a]	Michigan
231760	Gogebic
232460	Iron
232480	Iron Mountain
232500	Iron River
233420	Menominee City

24	Minnesota
25	Mississippi
26	Missouri
28[a]	Nebraska (parts of)
35[a]	North Dakota (parts of)
37	Oklahoma
43[a]	South Dakota (parts of)
44[a]	Tennessee (parts of)
45[a]	Texas (parts of)
51	Wisconsin

Group 3: States and Counties in the Mountain Time Zone

06	Colorado
13[a]	Idaho (parts of)

The following Kansas (State 17) Counties:

171360[a]	Greeley
171400	Hamilton
171820	Kearney
173420	Sherman
173680	Wallace

27	Montana

The following Nebraska (State 28) Counties:

280080[a]	Arthur
280140	Banner
280260	Box Butte
280460	Chase
280480	Cherry
280500	Cheyenne
280680	Dawes
280720	Deuel
280800	Dundy

(continued)

TABLE 4 (continued)

280980	Garden
281100	Grant
281300	Hooker
281420	Keith
281460	Kimball City
281480	Kimball
281660	McPherson
281720	Morrill
281960	Perkins
282240	Scottsbluff City
282260	Scotts Bluff
282320	Sheridan
282380	Sioux
282480	Thomas

32 New Mexico

The following North Dakota (State 35) Counties:

350020[a]	Adams
350080	Billings
350160	Bowman
350340	Dunn
350440	Golden Valley
350520	Grant
350560	Hettinger
350700	McKenzie
350760	Mercer
350800	Morton
350860	Oliver
351080	Sioux
351100	Slope
351140	Stark

38 Oregon (parts of)

381120	Malheur

The following South Dakota (State 43) Counties:

430100[a]	Bennett
430240	Butte
430400	Corson
430420	Custer
430520	Dewey
430580	Fall River
430680	Haakon
430760	Harding
430880	Jackson

(continued)

TABLE 4 (continued)

430920	Jones
430980	Lawrence
431140	Meade
431160	Mellette
431300	Pennington
431320	Perkins
431360	Potter
431460	Shannon
431620	Todd
431640	Tripp
431740	Washabaugh
431840	Ziebach

The following Texas (State 45) Counties:

451700	El Paso City
452590	Hudspeth

46	Utah
52	Wyoming

Group 4: States and Counties in the Pacific Time Zone

03	Arizona
05	California

The following Idaho (State 13) Counties:

130120[a]	Benewah
130240	Bonner
130280	Boundary
130480	Clearwater
130740	Idaho
130760	Idaho Falls
130860	Kootenai
130880	Latah
130920	Lewis
131140	Nez Perce
131420	Shoshone

29	Nevada
38[a]	Oregon (parts of)
49	Washington

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[a] These states lie within two time zones.

Eastern Time Zone hourly profile	Standardized to hourly profile
hr (20)	hr (24)
hr (19)	hr (23)
"	"
"	"
"	"
hr (1)	hr (4)

The nationwide factors, developed for some of the area sources, were appended to each time zone specific temporal factor file before processing it through the standardization routine; in this way, the output was a complete set of temporal profiles for each time zone.

Point Source Temporal Factor Standardization

The time zone standardization for point source SCC was much less involved than that of area sources. Because the point source temporal allocation data had been gathered only for the Northeast Corridor, it was only necessary to standardize this one group of factors from eastern daylight savings time to Greenwich time. This modification was accomplished using the same computer standardization routine which had been used for area sources.

REFERENCES

1. Paddock, R. E., S. K. Burt, R. C. Haws. The Regional Model Data Handling System (RMDHS) User's Guide. The Research Triangle Institute for the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. September 1981.

2. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy and S. V. Capone. The Northeast Corridor Regional Modeling Project Annual Emission Inventory Compilation and Formatting--Volume XVII--Development of Temporal, Spatial and Species Allocation Factors. EPA-450/4-82-013q. October 1982.

3. Procedures for the Preparation of Emission Inventories for Volatile Organic Compounds; Volume II--Emission Inventory Requirements for Photochemical Air Quality Simulation Models. U.S. Environmental Protection Agency, Research Triangle Park, North Carolina. EPA-450/4-79-018. September 1979.

4. Klemm, H. A. and R. J. Brennan. Emissions Inventory for the SURE Region. GCA/Technology Division for the Electric Power Research Institute (EPRI). EA-1913. April 1981.

5. State, Regional and National Monthly and Seasonal Heating Degree Days Weighted by Population (1980 Census) Historical Climatology Series 5-1. U.S. Department of Commerce, NOAA, Asheville, NC. September 1983.

6. National Climatic Data Center (NCDC), National Oceanic and Atmospheric Administration (NOAA). Local Climatological Data Published Stations (1980 data). Asheville, North Carolina.

7. Engineering-Science. Emissions Inventories for Urban Airshed Model Application in the Philadelphia AQCR. McLean, Virginia. March 1981.

8. Documentation of the Regional Air Pollution Study (RAPS) and Related Investigations in the St. Louis Air Quality Control Region. U.S. Environmental Protection Agency, Research Triangle Park, North Carolina. EPA-600/4-79-076. December 1979.

9. Emission Inventories for Urban Airshed Model Application in Tulsa, Oklahoma. U.S. Environmental Protection Agency, Research Triangle Park, North Carolina. EPA-450/4-80-021. September 1980.

10. Emission Inventory--State of New Jersey. Department of Environmental Protection, Trenton, New Jersey. 1980.

11. Emission Inventory--State of New York, Metropolitan New York Region. Department of Environmental Conservation, Albany, New York. 1980.

12. Sellars, F. M. A. M. Kiddie, L. A. Baci, B. J. Bosy, and R. D. Green. Development of the Area Source Emission Inventory for the 1982 Ozone State Implementation Plan for the Chicago Metropolitan Region of Illinois and Indiana. GCA/Technology Division for the Northeastern Illinois Planning Commission. GCA-TR-81-110-G. December 1981.

13. Lahre, Thomas. EPA/OAQPS. Written communication to F. M. Sellars, GCA/Technology Division. 8 June 1982.

14. Highway Statistics 1978. U.S. Department of Transportation, Federal Highway Administration, Washington, D.C.

15. Regional Air Pollution Study: Off-Highway Mobile Source Emission Inventory. U.S. Environmental Protection Agency. Research Triangle Park, North Carolina. EPA-600/4-77-041.

16. Highway Statistics 1980. U.S. Department of Transportation, Federal Highway Administration, Washington, D.C.

17. Highway Statistics 1979. U.S. Department of Transportation, Federal Highway Administration, Washington, D.C.

18. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy. Northeast Corridor Regional Modeling Project Annual Emission Inventory Compilation and Formatting--Volume III--Delaware Emission Inventory. EPA-450/4-82-013c. September 1982.

19. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy. Northeast Corridor Regional Modeling Project Annual Emission Inventory Compilation and Formatting--Volume VII--New Hampshire Emission Inventory. EPA-450/4-82-013g. September 1982.

20. Haupt, S. E., F. M. Sellars, M. J. Geraghty, A. M. Kiddie, B. J. Bosy. Northeast Corridor Regional Modeling Project Annual Emission Inventory Compilation and Formatting--Volume X--Ohio Emission Inventory. EPA-450/4-82-013j. October 1982.

21. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy. Northeast Corridor Regional Modeling Project Annual Emission Inventory Compilation and Formatting--Volume XIV--Virginia Emission Inventory. EPA-450/4-82-013n. September 1982.

22. Seasonally Adjusted Traffic and Capacity. U.S. Civil Aeronautics Board, Washington, D.C. July 1981.

23. State, Regional and National Monthly and Annual Temperature Weighted by Area. Historical Climatology Series 4-1. U.S. Department of Commerce, NOAA, Asheville, NC. September 1983.

24. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy and S. V. Capone. Northeast Corridor Regional Modeling Project Annual Emission Inventory Review and Formatting--Volume XVIII--Inventory Review and Evaluation. EPA-450/4-82-013r. July 1983.

25. Brenner, J. H., and A. M. Blackmer. Natural and Fertilizer-Induced Emissions of Nitrous Oxide from Soils. Presented at the 73rd Annual Meeting of the Air Pollution Control Association (80.69.6). Montreal, Quebec. June 22-27, 1980.

26. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy and S. V. Capone. Northeast Corridor Regional Modeling Project Annual Emission Inventory Compilation and Formatting----Volume XVII: Development of Allocation Factors. EPA-450/4-82-013q. October 1982.

27. Energy Data Reports. U.S. Department of Energy. 1979.

28. World Almanac and Book of Facts, Newspaper Enterprise Association, Inc. New York, NY. 1976.

29. Rand McNally Commercial Atlas and Marketing Guide. Rand McNally and Company. Chicago, IL. 1956.

30. Standard Time Zones of the United States, U.S. Department of Transportation, Washington, D.C.

31. Ross, R. U.S. Department of Transportation. Telephone correspondence with L. J. Sorenson. June 27, 1984.

32. Rand McNally Road Atlas. Rand McNally and Company. Chicago, IL. 1983.

33. AEROS Manual Series Volume V: AEROS Manual of Codes. Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Research Triangle Park, NC. EPA-450/2-76-005a. June 1983.

SECTION 3

SPATIAL ALLOCATION FACTOR DEVELOPMENT

INTRODUCTION

Spatial allocation factors were developed to apportion NAPAP area source emissions from counties to individual grid cells. The NAPAP grid system is comprised of 37,440 grid cells (156 rows, 240 columns) approximately 20 x 20 km, extending from 65° to 125° West longitude and from 25° to 51° North latitude. Figure 1 depicts the NAPAP grid system. Grid row numbers increase from South to North, while column numbers increase from West to East. Thus, the southwestern most grid cell is denoted as (1,1) while the northeastern most grid cell is denoted as (156,240).

Each spatial allocation factor assigns a portion of a particular county's area source emissions to a specific grid cell. Generally, since the actual subcounty distribution of area source emissions is unknown, emissions are assumed to be distributed according to the known distribution of some surrogate indicator. Population is a commonly used indicator for distributing various categories of area source emissions. For example, if 50 percent of a county's population resided in a specific grid cell, the population surrogate would indicate that 50 percent of that county's area source emissions (for which population was the selected surrogate) originated from that grid cell. The Regional Model assumes these emissions occur uniformly across the entire area of the grid cell.

The purpose of this subtask was to develop as many surrogate values as possible for each county in the NAPAP study area to allow the user maximum flexibility in assigning county level emissions to specific grid cells. The surrogate indicators used in this study are housing counts, population, land area, and 10 categories of land use classifications. The following sections describe the data sources, analysis, and computer formats used to produce the final set of RMDHS spatial allocation factors. Once the distribution of the surrogate indicators was known, county level area source emissions were spatially distributed by matching area source emission categories to the most appropriate surrogate indicators.

DATA SOURCES

Two major sources of data were used in this subtask: 1980 U.S. Bureau of the Census population and housing data by enumeration district, and land use classification data derived from Landsat satellite imagery.

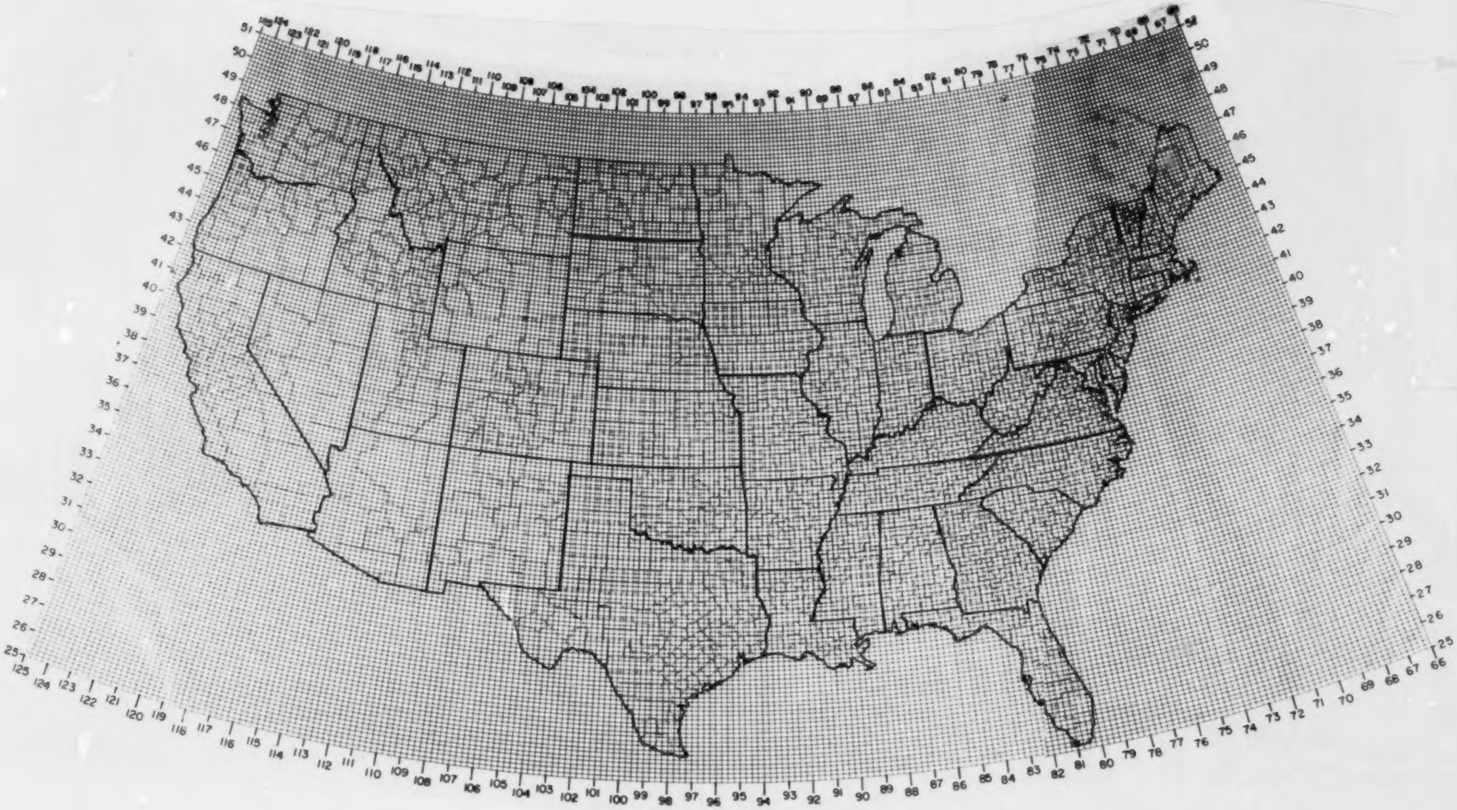

25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66

Figure 1. United States portion of Eulerian acid deposition modeling domain.

SPATIAL ALLOCATION FACTOR DEVELOPMENT

Spatial allocation factors were developed separately for the housing, population, and land use surrogates. The separately-developed allocation factor files were then merged into a single RMDHS-compatible spatial allocation factor file. Each set of spatial allocation factors was developed as described below.

Population and Housing

Emissions totals of a given pollutant from a given area source category are usually known only on the county level. In order to provide finer resolution of emissions from population or housing dependent sources (i.e., residential heating), census and housing data were obtained. The 1980 Census is available as part of EPA's STF3A Census tapes, 69 of which are catelogued on the ERC UNIVAC. These files contain total housing and population statistics on several levels of detail (from state totals down to election district totals). Thus, county total emissions of some area source categories can be allocated to one of the subcounty levels (township, place, tract, block or election district), using the housing or population totals of the more refined level to achieve the allocation. For example, assume 100 tons/yr of a pollutant are emitted in a given county from a population dependent area source category. If a given township is shown by the Census data to house 25 percent of the county's population, then 25 tons/yr of the pollutant will be assigned to that township.

The program which accomplishes this preliminary allocation also accommodates the areas which suppress some of their housing and population records to maintain confidentiality. Also within the program's capability is the determination of housing and population totals by AQCR for Massachusetts (which maintains its emissions data on the AQCR level) by summing population and housing totals for all townships within a given AQCR. It can then allocate emissions to one of the subcounty levels, based on these totals.

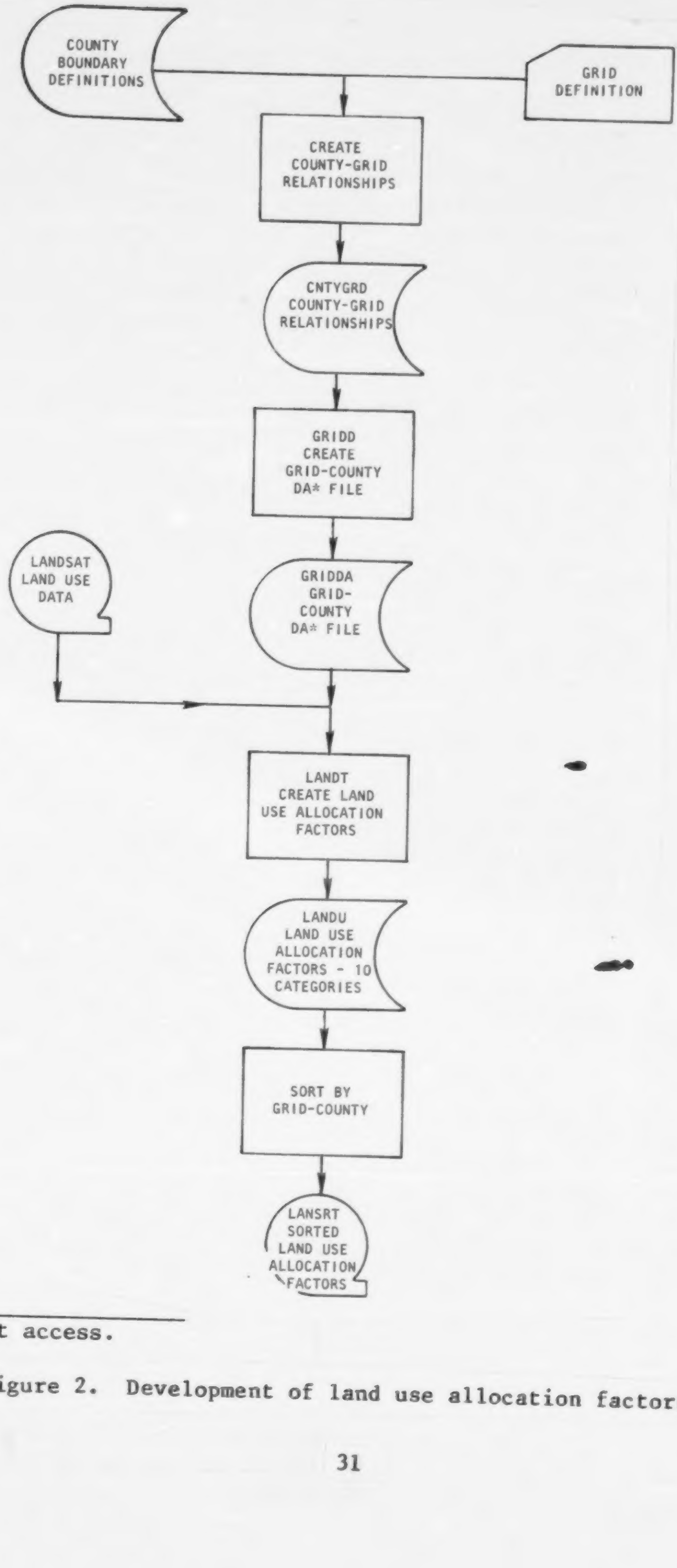
The output from the preliminary allocation process described above is used to allocate emissions to grid squares. Emissions from each subcounty unit (township, tract, etc.) is assigned to a grid cell with appropriate corresponding latitude and longitude to create the spatial allocation factors for housing and population dependent categories.

Land Use Allocation Factors

The development of land use allocation factors is depicted in Figure 2 and described below.

Landsat Land Use and Land Cover Data--

Land use data were obtained through the EPA/ESRL's Meteorology and Assessment Division and consist of 10 land use and land cover classification percentages for each NAPAP grid cell. The data were developed under EPA contract by Lockheed Engineering and Management Services Company's Remote Sensing Laboratory using Landsat mosaic images covering the periods 23 July


COUNTY BOUNDARY DEFINITIONS
GRID DEFINITION
CREATE COUNTY-GRID RELATIONSHIPS
CNTYGRD COUNTY-GRID RELATIONSHIPS
GRIDD CREATE GRID-COUNTY DA* FILE
LANDSAT LAND USE DATA
GRIDDA GRID-COUNTY DA* FILE
LANDT CREATE LAND USE ALLOCATION FACTORS
LANDU LAND USE ALLOCATION FACTORS - 10 CATEGORIES
SORT BY GRID-COUNTY
LANSRT SORTED LAND USE ALLOCATION FACTORS

---

*Direct access.

Figure 2. Development of land use allocation factors.

through 31 October 1972 and 1 January through 31 March 1973. Total land use and land cover in each grid cell was divided into the following classifications.

- Urban Land
- Agricultural Land
- Rangeland
- Deciduous Forest Land
- Coniferous Forest Land
- Mixed Forest Land (including Forested Wetlands)
- Water
- Barren land
- Non-Forested Wetland
- Mixed Agricultural Land and Rangeland

Each land classification percentage represents the fraction of that grid cell comprised of each land use category.

Grid-County Area Relationship--

Use of the land classification data to apportion countywide emission totals to grid cells required that grid-level land classification data be summed to the county level. This necessitated the development of grid/county area relationships. Using software developed by ESRL and a file defining the boundaries of each county, grid areas were apportioned to counties on a percent basis. These relationships, contained in the file called CNTYGRD, were then used to aggregate the grid-level land use data to the county level so that county level allocation factors could be determined. The grid/county relationships contained in CNTYGRD were also later utilized to develop spatial allocation factors for emission categories that use total land area as the surrogate indicator. Using the CNTYGRD file as input, the GRIDD program created a direct-access file (GRIDDA) based on grid number, which provided the counties and percent areas associated with each grid cell.

Calculation of Spatial Allocation Factors Based on Land Use--

The next program, LANDT, read the Landsat land use data described previously, and using the grid-county relationships contained in the direct-access file, GRIDDA, calculated spatial allocation factors for each land use classification as:

$$\mathrm{SPAFCT}_{CSi} = \frac{(A_{Ci})(A_{Si})}{\sum_{i}^{n} (A_{Ci})(A_{Si})}$$

where: SPAFCT_{CSi} = The spatial allocation factor for county C, land use type S, and grid i

A_{Ci} = The portion of county C that falls within grid i

A_{Si} = The portion of grid i with land use type S

n = The total number of grids covering County C

For example:

Assume 80 percent of County A falls within grid 1 and 20 percent within grid 2. Agricultural land comprises 10 percent of grid 1 and 75 percent of grid 2. The distribution of emissions from pesticide application, using agricultural land use as the surrogate indicator, could be calculated:

$$SPAFCT_{grid\ 1} = \frac{(0.80)(0.10)}{[(0.80)(0.10) + (0.20)(0.75)]} = 0.35$$

$$SPAFCT_{grid\ 2} = \frac{(0.20)(0.75)}{[(0.80)(0.10) + (0.20)(0.75)]} = 0.65$$

In the above example, 65 percent of County A's emissions from pesticide application are assigned to grid 2, even though more of County A falls within grid 1, because grid 2 has much more agricultural land than grid 1. One limitation of this methodology is that the grids are necessarily assumed to be homogeneous in terms of land use. In the previous example 10 percent of the land in grid 1 was agricultural and, therefore, 10 percent of the portion of County A that falls within grid 1 is assumed to be agricultural, even if only a fraction of grid 1 covers County A.

The output land use allocation factors (file LANDU) were sorted into grid-county order and formatted per RMDHS specifications to be merged with the population and housing factors discussed earlier.

SPATIAL ALLOCATION FACTOR FILE CREATION

The final set of spatial allocation factors were integrated from the separate housing, population and land use factors, as depicted in Figure 3. Files CENPOP and CENHSE represent population and housing allocation factors, respectively. The LANSRT file contains the land use and total land area files. These files were merged by program FMERGE to produce the final NAPAP spatial allocation factor file in RMDHS format. The spatial allocation factor file provides factors for 14 surrogate indicators, listed in Table 5.

ALLOCATION SURROGATE SELECTION

The final step in defining spatial allocation factors is developing the surrogate factor selection file, which assigns each individual area source category a surrogate indicator to be used for apportioning emissions spatially.

RMDHS allows the user to assign different surrogate indicators to area source categories on a county-by-county basis. GCA provided a default surrogate selection file based on our judgment of the most appropriate surrogate indicator for each area source category, as shown in Table 6.

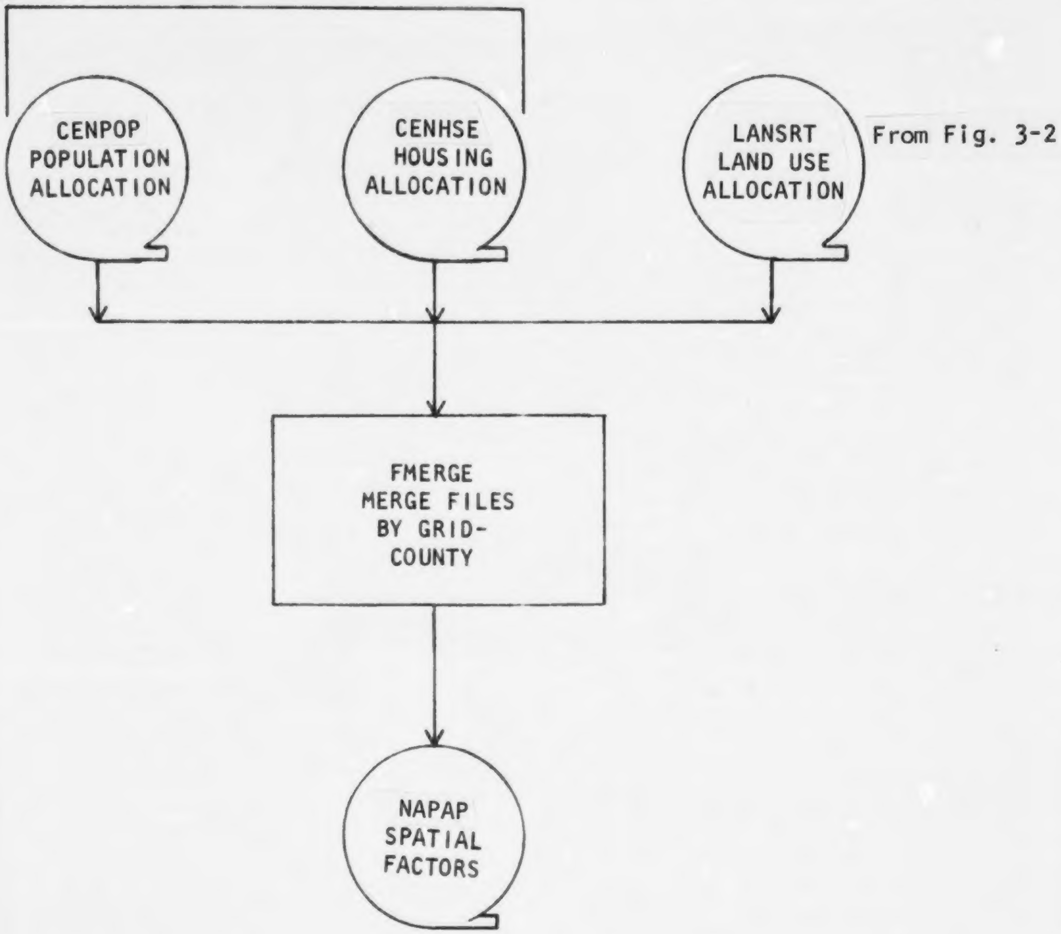

CENPOP
POPULATION
ALLOCATION
CENHSE
HOUSING
ALLOCATION
LANSRT
LAND USE
ALLOCATION
From Fig. 3-2
FMERGE
MERGE FILES
BY GRID-
COUNTY
NAPAP
SPATIAL
FACTORS

Figure 3. Spatial allocation factor file creation.

TABLE 5. SPATIAL ALLOCATION SURROGATES AVAILABLE IN THE NAPAP SPATIAL ALLOCATION FACTOR FILE

RMDHS relative factor number[a]	Surrogate indicator	Source
1	Housing	1980 Census
2	Population	1980 Census
3	Urban Land	LANDSAT
4	Agricultural Land	LANDSAT
5	Rangeland	LANDSAT
6	Deciduous Forest	LANDSAT
7	Coniferous Forest	LANDSAT
8	Mixed Forest and Forested Wetland	LANDSAT
9	Water	LANDSAT
10	Outside Study Area	LANDSAT
11	Non-Forested Wetland	LANDSAT
12	Mixed Agricultural Land and Rangeland	LANDSAT
13	Composite Forest	GCA[b]
14	Land Area	EPA/GCA

[a] Relative number in RMDHS allocation factor cards.

[b] Derived from LANDSAT forest data, RMDHS relative factor number 6-8.

TABLE 6. NAPAP AREA SOURCE CATEGORY NUMBERS AND SPATIAL ALLOCATION SURROGATES

Category number	Category description	Spatial surrogate
001	Residential Fuel--Anthracite Coal	Housing
002	Residential Fuel--Bituminous Coal	Housing
003	Residential Fuel--Distillate Oil	Housing
004	Residential Fuel--Natural Gas[a]	Housing
005	Residential Fuel--Wood	Housing
006	Commercial/Institutional Fuel--Anthracite Coal	Population
007	Commercial/Institutional Fuel--Bituminous Coal	Population
008	Commercial/Institutional Fuel--Distillate Oil	Urban Land
009	Commercial/Institutional Fuel--Residual Oil	Urban Land
010	Commercial/Institutional Fuel--Natural Gas[a]	Urban Land
011	Commercial/Institutional Fuel--Wood	Urban Land
012	Industrial Fuel--Anthracite Coal	Urban Land
013	Industrial Fuel--Bituminous Coal	Urban Land
014	Industrial Fuel--Distillate Oil	Urban Land
015	Industrial Fuel--Residual Oil	Urban Land
016	Industrial Fuel--Natural Gas[a]	Urban Land
017	Industrial Fuel--Wood	Urban Land
018	Onsite Incineration--Residential[b]	Housing
019	Onsite Incineration--Industrial[b]	Urban Land
020	Onsite Incineration--Commercial/Institutional[b]	Urban Land
021	Open Burning--Residential[b]	Housing
022	Open Burning--Industrial[b]	Urban Land
023	Open Burning--Commercial/Institutional[b]	Urban Land
024	Light Duty Gasoline Vehicles--Rural Roads[b]	Land Area
025	Light Duty Gasoline Vehicles--Urban Roads[b]	Urban Land
026	Medium Duty Gasoline Vehicles--Rural Roads[b]	Land Area
027	Medium Duty Gasoline Vehicles--Urban Roads[b]	Urban Land
028	Heavy Duty Gasoline Vehicles--Rural Roads[b]	Land Area
029	Heavy Duty Gasoline Vehicles--Urban Roads[b]	Urban Land

(continued)

TABLE 6 (continued)

Category number	Category description	Spatial surrogate
030	Off Highway Gasoline Vehicles	Land Area
031	Heavy Duty Diesel Vehicles--Rural Roads[b]	Land Area
032	Heavy Duty Diesel Vehicles--Urban Roads[b]	Urban Land
033	Off Highway Diesel Vehicles	Land Area
034	Railroad Locomotives	Urban Land
035	Aircraft LTOs--Military	Population
036	Aircraft LTOs--Civil	Population
037	Aircraft LTOs--Commercial	Population
038	Vessels--Diesel Oil	Population
039	Vessels--Residual Oil	Population
040	Vessels--Gasoline	Population
041	Solvent Purchased[a]	Population
042	Gasoline Marketed[a]	Population
043	Forest Wild Fires	Composite Forest
044	Managed Burning--Prescribed[b]	Composite Forest
045	Agricultural Field Burning[b]	Agricultural Land
046	Structural Fires	Housing
047	Manure Field Application--Beef[c]	Agricultural Land
048	Manure Field Application--Daily Cows[c]	Agricultural Land
049	Manure Field Application--Hogs and Pigs[c]	Agricultural Land
050	Manure Field Application--Broilers[c]	Agricultural Land
051	Manure Field Application--Other Chickens[c]	Agricultural Land
052	Anhydrous NH_3 Fertilizer[c]	Agricultural Land
053	Beef Cattle Feed Lots[c]	Agricultural Land
054	Minor Point Sources[c]	Urban Land

[a] These area source categories are composites of two or more NECRMP categories.

[b] These categories were derived from NECRMP categories, which were disaggregated for the NAPAP effort.

[c] These categories have no equivalents in the NECRMP listing.

These default indicators may easily be superceded in the future if another selection is felt to be more appropriate, or additional allocation data become available.

SPATIAL ALLOCATION FACTOR FILE COMPUTERIZATION

Spatial allocation is performed in RMDHS by the ASGRID (Area Source Gridding/Model Conversion) Program. ASGRID requires a county-specific allocation surrogate selection file and the actual county-to-grid allocation factors. The latter file contains allocation factors for each surrogate indicator, while the selection file matches each area source category with the surrogate to be used for spatial allocation, on a county-by-county basis. For example, industrial fuel combustion emissions may be allocated using urban land use, while allocation of residential fuel combustion emissions may be based on housing units. The ASGRID formats are described in the RMDHS User's Manual and are shown in Figures 4 and 5.

The selection file, shown in Figure 4, indicates which surrogate is to be used for each emission category. The major input restriction is that all factors for a given surrogate must add to 1.0 for each county, meaning 100 percent of the emissions are allocated.

The key allocation factor file, shown in Figure 5, contains for each surrogate, the county-to-grid allocation factor. Each record contains a county identification, a grid cell identification, and up to 30 allocation factors (input on two consecutive cards). For NAPAP, these records contain factors for the 14 surrogates identified previously.

The completed NAPAP spatial allocation factor file and surrogate selection file were then used in RMDHS to spatially allocate county level area source emissions to grid cells.

RECORD POSITION				
FIRST	LAST	LENGTH	DATA ITEM PICTURE	DESCRIPTION
1	6	6	X(6)	STATE COUNTY ID CODE
7	10	4	X(4)	FILLER
11	12	2	9(2)	SURROGATE FACTOR SELECTED[a]
13	14	2	9(2)	SURROGATE FACTOR SELECTED[a]
15	16	2	9(2)	SURROGATE FACTOR SELECTED[a]
17	18	2	9(2)	SURROGATE FACTOR SELECTED[a]
19	20	2	9(2)	SURROGATE FACTOR SELECTED[a]
21	22	2	9(2)	SURROGATE FACTOR SELECTED[a]
23	24	2	9(2)	SURROGATE FACTOR SELECTED[a]
25	26	2	9(2)	SURROGATE FACTOR SELECTED[a]
27	28	2	9(2)	SURROGATE FACTOR SELECTED[a]
29	30	2	9(2)	SURROGATE FACTOR SELECTED[a]
31	32	2	9(2)	SURROGATE FACTOR SELECTED[a]
33	34	2	9(2)	SURROGATE FACTOR SELECTED[a]
35	36	2	9(2)	SURROGATE FACTOR SELECTED[a]
37	38	2	9(2)	SURROGATE FACTOR SELECTED[a]
39	40	2	9(2)	SURROGATE FACTOR SELECTED[a]
41	42	2	9(2)	SURROGATE FACTOR SELECTED[a]
43	44	2	9(2)	SURROGATE FACTOR SELECTED[a]
45	46	2	9(2)	SURROGATE FACTOR SELECTED[a]
47	48	2	9(2)	SURROGATE FACTOR SELECTED[a]
49	50	2	9(2)	SURROGATE FACTOR SELECTED[a]
51	52	2	9(2)	SURROGATE FACTOR SELECTED[a]
53	54	2	9(2)	SURROGATE FACTOR SELECTED[a]
55	56	2	9(2)	SURROGATE FACTOR SELECTED[a]
57	58	2	9(2)	SURROGATE FACTOR SELECTED[a]
59	60	2	9(2)	SURROGATE FACTOR SELECTED[a]
61	62	2	9(2)	SURROGATE FACTOR SELECTED[a]
63	64	2	9(2)	SURROGATE FACTOR SELECTED[a]
65	66	2	9(2)	SURROGATE FACTOR SELECTED[a]
67	68	2	9(2)	SURROGATE FACTOR SELECTED[a]
69	70	2	9(2)	SURROGATE FACTOR SELECTED[a]
71	78	8	X(8)	FILLER
79	79	1	X(1)	'1' OR '2'[b]
80	80	1	X(1)	'6'

[a] The data item for each surrogate factor selection refers to the relative position of the spatial allocation factor in the Spatial Allocation Factor File (Figure 9).

[b] This file consists of 2 cards each which are identically formatted. This allows for a total of 60 area source category/surrogate selections.

Figure 4. ASGRID spatial allocation factor surrogate selection file format.

RECORD POSITION				
FIRST	LAST	LENGTH	DATA ITEM PICTURE	DESCRIPTION
1	2	2	X(2)	STATE CODE
3	6	4	X(4)	COUNTY CODE
7	10	4	9(4)	GRID COLUMN NUMBER
11	14	4	9(4)	GRID ROW NUMBER
15	18	4	V9(4)	ALLOCATION FACTOR[a]
19	22	4	V9(4)	ALLOCATION FACTOR[a]
23	26	4	V9(4)	ALLOCATION FACTOR[a]
27	30	4	V9(4)	ALLOCATION FACTOR[a]
31	34	4	V9(4)	ALLOCATION FACTOR[a]
35	38	4	V9(4)	ALLOCATION FACTOR[a]
39	42	4	V9(4)	ALLOCATION FACTOR[a]
43	46	4	V9(4)	ALLOCATION FACTOR[a]
47	50	4	V9(4)	ALLOCATION FACTOR[a]
51	54	4	V9(4)	ALLOCATION FACTOR[a]
55	58	4	V9(4)	ALLOCATION FACTOR[a]
59	62	4	V9(4)	ALLOCATION FACTOR[a]
63	66	4	V9(4)	ALLOCATION FACTOR[a]
67	70	4	V9(4)	ALLOCATION FACTOR[a]
71	74	4	V9(4)	ALLOCATION FACTOR [a]
75	78	4	X(4)	FILLER
79	79	1	X(1)	'1' OR '2'
80	80	1	X(1)	'5'

[a] This record format is used for both card 1 and card 2, column 79 indicating which card of the set. This allows for up to 30 ALLOCATION FACTORS for each county-grid. The 14 Allocation Surrogates used in NECRMP were presented previously in Table 3-1.

Figure 5. ASGRID spatial allocation factor file format.

SECTION 4

SPECIES ALLOCATION FACTOR DEVELOPMENT

INTRODUCTION

The Eulerian Acid Deposition Model being developed for NAPAP will utilize five of the seven pollutants included in the NAPAP Emission Inventory:* sulfur dioxide (SO_2), sulfate ($SO_4^=$), ammonia (NH_3), nitrogen oxides (NO_x) and volatile organic compounds (VOC). The Eulerian Acid Deposition Model requires the breakdown of two of these pollutants, NO_x and VOC, into more refined component species. Specifically, the VOC emissions must be broken down into classes (generally defined by the degree of photochemical reactivity) and NO_x emissions must be separated into NO and NO_2 contributions.

The VOC species assigned to each class can vary, depending upon the modeling chemistry used. In order to provide the flexibility to develop and test a number of these chemistries, it was decided to provide a general species listing for NAPAP point and area source categories, which could be adapted to fit any particular modeling requirements. This objective was achieved by coding a set of "species profiles," each of which provides a breakdown of a category's VOC emissions into a typical set of component species. Each VOC specie is defined by its Storage and Retrieval of Aerometric Data (SAROAD) Code, molecular weight, and its percent contribution (by weight) to total profile VOC emissions. These profiles are independent of any reactivity scheme, and may be manipulated by the modeler into any reactivity classification. The profiles also include the weight percents of NO and NO_2 contained in each category's NO_x emissions, as well as the HCHO (formaldehyde) weight percent. This latter is used by RMDHS to correct the VOC totals in NAPAP for missing aldehydes.**

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*The inventory also contains emissions data for carbon monoxide (CO) and total suspended particulates (TSP). However, these could not be utilized for NAPAP, due to RMDHS limitations.

**In the PSPLIT module developed by ESRL, for certain SCCs whose AP-42 emission factors were developed using flame ionization, an aldehyde correction factor had to be applied to the total VOC mass since the flame ionization technique does not "see" aldehydes.

In order to provide a greater flexibility in establishing a link between each SCC and an appropriate profile, a separate SCC Index File was created to link the emission inventory processes or area source categories (referenced by SCC) to the appropriate species profile. This concept, illustrated in Figure 6, had been previously developed for use in RMDHS[1] for the Northeast Corridor Regional Modeling Project (NECRMP)[2]. The set of profiles used in NECRMP were easily adapted for use in the NAPAP effort: the profile-index linking system allowed new profiles to be accomodated easily, and changes to specific SCC-profile relationships to be simply made by adjusting the SCC Index File. The modifications necessary to ready the NECRMP profile set for use in NAPAP reflect changes made to the area source category selection and labeling, or additional point source SCCs being considered for this project.

NAPAP SPECIES ALLOCATION FACTOR DEVELOPMENT

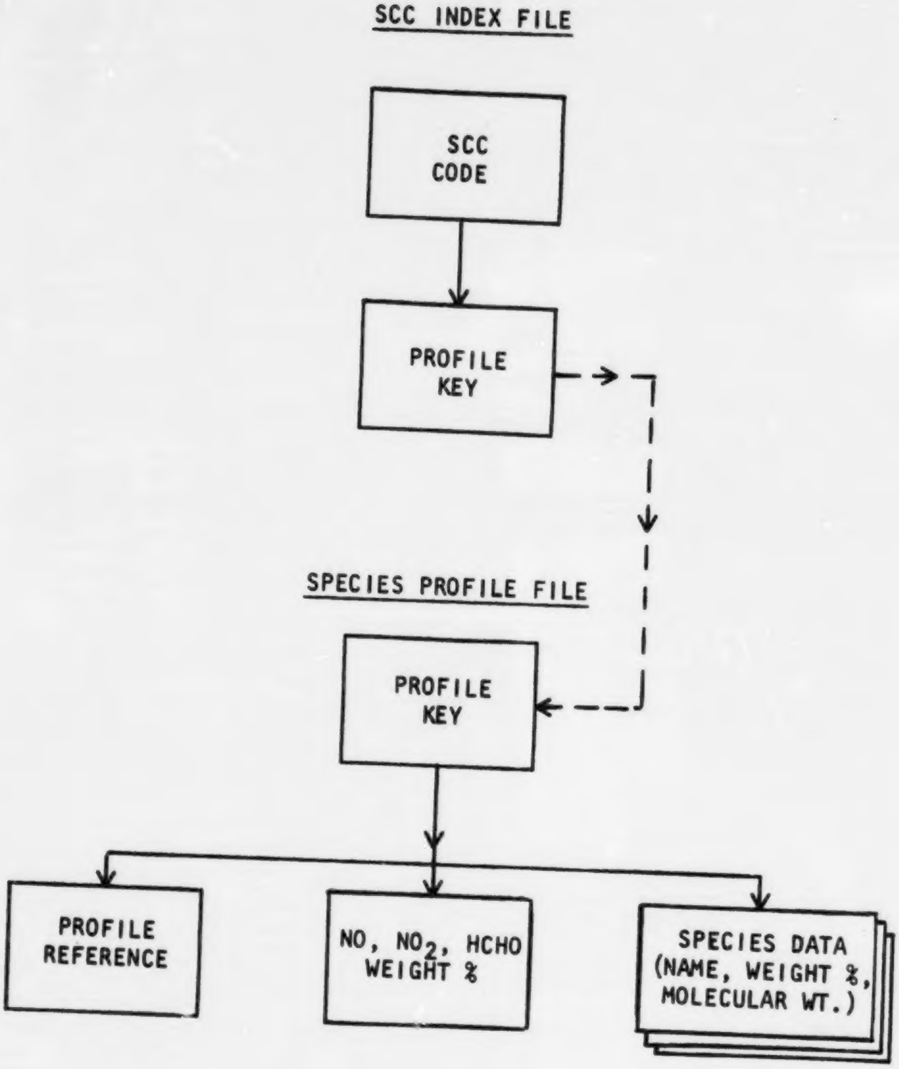
The NAPAP species profile set was built upon the species allocation factors created for NECRMP. The modifications required to the NECRMP factors primarily reflect additional SCCs (for both point and area sources) needed for the NAPAP Emission Inventory.

The Northeast Corridor project provided the bulk of the species allocation factors used in the NAPAP study. For the NECRMP effort, GCA utilized data from several sources,[4-10] and selected the most appropriate factors for the development of the SCC Index File and Species Profile File. Allocation factors for point sources were developed for each Source Classification Code (SCC) or by groupings of SCCs as appropriate. Allocation factors were also developed for each area source category considered in the NECRMP study.

The reference used for each VOC profile development is identified in the general profile card (card 2). The profile key includes a code indicating the KVB, California Institute of Technology, or RAPS data used; the reference field provides further descriptive information, such as a table number in the appropriate data source. In all cases judgment was used when matching point and area source categories to existing species profiles. In the case in which there were numerous profiles available for one SCC, the most general profile was selected for use. When a profile was not available for a point source category, these fields were left blank. Point source categories for which no profiles were found include: oil and gas production and processing, vegetable oil processing, waste solvent recovery processes, and wood/bark-fired industrial boilers. When data become available, these profiles may easily be added. In general, updated profiles may be readily substituted for the profiles developed from the above references as newer data become available.

In processing emissions data through the speciation module (TPSPLIT) of RMDHS when no match for a given SCC is encountered, RMDHS defaults to profile C0025, 100 percent unidentified hydrocarbons.

GCA compared NO_x speciation factors developed for EPRI's Sulfate Regional Experiment (SURE)[11] with those developed for the NECRMP inventory. For most SCCs, the distribution factors were found to be in good agreement.



SCC INDEX FILE
SCC CODE
PROFILE KEY
SPECIES PROFILE FILE
PROFILE KEY
PROFILE REFERENCE
NO, NO_2, HCHO WEIGHT %
SPECIES DATA (NAME, WEIGHT %, MOLECULAR WT.)

Figure 6. Species allocation factor files.

However, there were some SCC categories for which the speciation factors differed. These were investigated individually. In most instances the NECRMP speciation factors were found to be based on more current data and, thus, were substituted for the SURE factors in the NO_x speciation factors for NAPAP. As with the VOC profiles, the NO_x speciation factors were left blank for SCCs for which no published factors were available.

In processing emissions data through RMDHS, if no match for a given SCC is encountered, a default profile of 95 percent NO and 5 percent NO_2 is utilized. The Speciation factors developed for use in the NAPAP effort are provided in Table 7.

Several changes and additions to the NECRMP profile set were necessary to ready the factors for NAPAP. The NAPAP effort required the association of an additional 198-point source SCC with new or existing VOC profiles. These SCC, listed in Table 8, reflect processes listed in the NAPAP inventory as emitting more than 25 tons/yr of VOC but which were not assigned a profile for the NECRMP[2] study. Some changes also had to be made to the area source species allocation factors. The NAPAP effort required that a similar, though not identical set of area source categories be chosen, and that new "pseudo SCCs" be assigned. Thus, the addition or reassignment of profiles had to be performed for all NAPAP area source categories.

The Species Index File and Species Profile File used for NAPAP are provided in Appendix C. A discussion of the development of the allocation factors in these files follows.

Point Source SCC-Profile Correlations

For 165 of point source SCC listed previously in Table 8, a VOC profile was assigned by noting profiles associated to similar SCC in the NECRMP profiles, or by identifying an appropriate profile in the Volatile Organic Compound (VOC) Species Data Manual.[4] In most cases, this was done in a straightforward manner by noting the SCC description and finding SCC with identical or similar descriptions that were already correlated to VOC profiles in the existing file.[2]

New profiles were generated from the KVB[4] data for 5 SCC. These processes, which are not similar to any of the processes represented in the NECRMP profile set, are as follows:

- 4-02-009-16 (Organic Solvent, Surface Coating, Thinning Solvent, and Methyl Acetate)
- 3-08-001-08 (Rubber/Plastics, Tire Mfg., and Solvent Mixing)
- 40-2-020-01 (Organic Solvent, Surface Coating, Metal Furniture, and Coating Operation)

TABLE 7. NAPAP NO_x ALLOCATION FACTORS, BY SCC

SCC	NO WT.%	NO2 WT.%
1-01-001-02	95.00	5.00
1-01-002-01	97.00	3.00
1-01-002-02	97.00	3.00
1-01-002-03	97.00	3.00
1-01-002-04	97.00	3.00
1-01-002-05	97.00	3.00
1-01-002-09	97.00	3.00
1-01-002-21	97.00	3.00
1-01-002-22	97.00	3.00
1-01-002-23	97.00	3.00
1-01-002-99	97.00	3.00
1-01-003-01	97.00	3.00
1-01-003-03	97.00	3.00
1-01-003-06	97.00	3.00
1-01-004-01	98.00	2.00
1-01-004-02	98.00	2.00
1-01-004-04	98.00	2.00
1-01-005-01	98.00	2.00
1-01-005-04	98.00	2.00
1-01-005-05	98.00	2.00
1-01-006-01	95.00	5.00
1-01-006-02	95.00	5.00
1-01-006-04	95.00	5.00
1-01-007-02	95.00	5.00
1-01-008-01	97.00	3.00
1-01-009-01	98.00	2.00
1-01-009-02	98.00	2.00
1-01-009-03	95.00	5.00
1-02-001-04	95.00	5.00
1-02-001-07	95.00	5.00
1-02-002-01	97.00	3.00
1-02-002-02	97.00	3.00
1-02-002-03	97.00	3.00
1-02-002-04	97.00	3.00
1-02-002-05	98.00	2.00
1-02-002-06	97.00	3.00
1-02-002-08	97.00	3.00
1-02-002-09	97.00	3.00
1-02-002-10	97.00	3.00
1-02-002-11	95.00	5.00
1-02-002-12	97.00	3.00
1-02-002-13	95.00	5.00
1-02-002-14	97.00	3.00
1-02-002-99	97.00	3.00
1-02-004-01	98.00	2.00
1-02-004-02	98.00	2.00
1-02-004-03	98.00	2.00
1-02-004-04	98.00	2.00
1-02-005-01	98.00	2.00
1-02-005-02	98.00	2.00
1-02-005-03	98.00	2.00
1-02-005-04	98.00	2.00
1-02-006-01	95.00	5.00
1-02-006-02	95.00	5.00
1-02-006-03	95.00	5.00
1-02-007-01	95.00	5.00
1-02-007-02	95.00	5.00
1-02-007-04	95.00	5.00
1-02-007-05	95.00	5.00
1-02-007-07	97.00	3.00
1-02-007-08	97.00	3.00
1-02-007-99	95.00	5.00
1-02-008-02	97.00	3.00
1-02-009-01	95.00	5.00
1-02-009-02	95.00	5.00
1-02-009-03	95.00	5.00
1-02-010-02	95.00	5.00
1-02-012-01	95.00	5.00
1-02-013-01	98.00	2.00
1-02-013-02	98.00	2.00
1-02-999-97	97.00	3.00
1-02-999-98	97.00	3.00
1-03-001-01	95.00	5.00
1-03-001-02	97.00	3.00
1-03-002-05	97.00	3.00
1-03-002-07	97.00	3.00
1-03-002-08	97.00	3.00
1-03-002-09	95.00	5.00
1-03-002-10	97.00	3.00
1-03-002-11	97.00	3.00
1-03-002-12	97.00	3.00
1-03-002-13	97.00	3.00
1-03-002-14	97.00	3.00
1-03-002-99	97.00	3.00
1-03-004-01	98.00	2.00
1-03-004-02	98.00	2.00
1-03-004-03	98.00	2.00
1-03-005-01	98.00	2.00
1-03-005-02	98.00	2.00
1-03-005-03	98.00	2.00
1-03-006-01	95.00	5.00
1-03-006-02	95.00	5.00
1-03-006-03	95.00	5.00
1-03-009-01	97.00	3.00
1-03-009-02	97.00	3.00
1-03-009-03	97.00	3.00
1-03-999-97	95.00	5.00
1-05-001-02	98.00	2.00
1-05-001-05	98.00	2.00
1-05-001-06	95.00	5.00
1-05-002-02	98.00	2.00
1-05-002-05	98.00	2.00
1-05-005-01	98.00	2.00
1-05-006-01	95.00	5.00
1-99-999-99	95.00	5.00
2-01-001-01	90.00	10.00
2-01-001-02	90.00	10.00
2-01-002-01	94.00	6.00

TABLE 7 (continued)

SCC	NO WT.%	NO2 WT.%
2-01-002-02	94.00	6.00
2-01-003-01	95.00	5.00
2-01-003-02	95.00	5.00
2-01-005-01	95.00	5.00
2-01-009-01	90.00	10.00
2-01-009-02	90.00	10.00
2-02-001-01	90.00	10.00
2-02-001-02	90.00	10.00
2-02-002-01	94.00	6.00
2-02-002-02	94.00	6.00
2-02-003-01	90.00	10.00
2-03-001-01	95.00	5.00
2-03-002-01	94.00	6.00
2-04-001-01	94.00	6.00
2-04-004-02	95.00	5.00
2-04-004-99	94.00	6.00
2-99-999-99	94.00	6.00
3-01-001-01	00.00	00.00
3-01-001-06	00.00	00.00
3-01-005-03	95.00	5.00
3-01-005-04	95.00	5.00
3-01-005-05	00.00	00.00
3-01-005-99	95.00	5.00
3-01-006-01	95.00	5.00
3-01-006-99	95.00	5.00
3-01-007-01	00.00	00.00
3-01-007-99	95.00	5.00
3-01-009-01	00.00	00.00
3-01-009-02	95.00	5.00
3-01-009-10	95.00	5.00
3-01-009-99	95.00	5.00
3-01-011-01	00.00	00.00
3-01-011-99	00.00	00.00
3-01-013-01	95.00	5.00
3-01-013-99	95.00	5.00
3-01-014-01	95.00	5.00
3-01-014-02	00.00	00.00
3-01-014-99	95.00	5.00
3-01-015-01	00.00	00.00
3-01-015-02	00.00	00.00
3-01-015-03	00.00	00.00
3-01-015-05	00.00	00.00
3-01-015-99	00.00	00.00
3-01-016-12	00.00	00.00
3-01-018-00	00.00	00.00
3-01-018-01	00.00	00.00
3-01-018-02	00.00	00.00
3-01-018-05	00.00	00.00
3-01-018-07	00.00	00.00
3-01-018-12	00.00	00.00
3-01-018-27	00.00	00.00
3-01-018-38	00.00	00.00
3-01-018-39	00.00	00.00
3-01-018-40	00.00	00.00
3-01-018-91	00.00	00.00
3-01-018-99	00.00	00.00
3-01-019-01	00.00	00.00
3-01-019-02	00.00	00.00
3-01-019-03	00.00	00.00
3-01-019-04	00.00	00.00
3-01-020-05	00.00	00.00
3-01-020-99	00.00	00.00
3-01-023-01	00.00	00.00
3-01-023-99	00.00	00.00
3-01-024-01	00.00	00.00
3-01-024-02	00.00	00.00
3-01-024-06	95.00	5.00
3-01-024-10	00.00	00.00
3-01-024-14	00.00	00.00
3-01-024-99	00.00	00.00
3-01-025-01	00.00	00.00
3-01-025-05	00.00	00.00
3-01-025-99	00.00	00.00
3-01-026-01	95.00	5.00
3-01-026-02	95.00	5.00
3-01-026-06	95.00	5.00
3-01-026-20	95.00	5.00
3-01-026-99	00.00	00.00
3-01-032-01	00.00	00.00
3-01-032-02	00.00	00.00
3-01-033-01	00.00	00.00
3-01-033-99	00.00	00.00
3-01-034-01	00.00	00.00
3-01-034-10	00.00	00.00
3-01-034-99	00.00	00.00
3-01-035-99	95.00	5.00
3-01-036-01	00.00	00.00
3-01-039-99	00.00	00.00
3-01-041-01	00.00	00.00
3-01-041-04	00.00	00.00
3-01-041-99	00.00	00.00
3-01-050-01	95.00	5.00
3-01-060-01	00.00	00.00
3-01-060-02	00.00	00.00
3-01-060-04	00.00	00.00
3-01-060-05	00.00	00.00
3-01-060-06	00.00	00.00
3-01-060-07	00.00	00.00
3-01-060-09	00.00	00.00
3-01-060-10	00.00	00.00
3-01-060-99	95.00	5.00
3-01-090-99	95.00	5.00
3-01-100-01	00.00	00.00
3-01-100-99	00.00	00.00
3-01-110-01	95.00	5.00
3-01-111-02	00.00	00.00
3-01-111-99	95.00	5.00
3-01-120-01	95.00	5.00

TABLE 7 (continued)

SCC	NO WT.%	NO2 WT.%
3-01-120-01	00.00	00.00
3-01-120-02	95.00	5.00
3-01-125-01	00.00	00.00
3-01-125-02	00.00	00.00
3-01-125-99	00.00	00.00
3-01-130-01	00.00	00.00
3-01-130-04	00.00	00.00
3-01-132-99	00.00	00.00
3-01-137-99	00.00	00.00
3-01-250-99	95.00	5.00
3-01-258-01	00.00	00.00
3-01-258-99	00.00	00.00
3-01-285-01	00.00	00.00
3-01-300-01	00.00	00.00
3-01-810-01	00.00	00.00
3-01-888-01	95.00	5.00
3-01-900-99	95.00	5.00
3-01-999-99	95.00	5.00
3-02-003-01	00.00	00.00
3-02-005-01	00.00	00.00
3-02-005-04	00.00	00.00
3-02-005-05	00.00	00.00
3-02-006-03	00.00	00.00
3-02-006-04	00.00	00.00
3-02-006-06	00.00	00.00
3-02-007-01	00.00	00.00
3-02-007-02	00.00	00.00
3-02-007-05	00.00	00.00
3-02-007-32	00.00	00.00
3-02-007-34	00.00	00.00
3-02-007-43	00.00	00.00
3-02-007-44	00.00	00.00
3-02-007-54	00.00	00.00
3-02-007-55	00.00	00.00
3-02-007-60	00.00	00.00
3-02-008-02	00.00	00.00
3-02-008-03	00.00	00.00
3-02-008-04	00.00	00.00
3-02-008-05	00.00	00.00
3-02-008-06	00.00	00.00
3-02-009-01	00.00	00.00
3-02-009-02	00.00	00.00
3-02-009-03	00.00	00.00
3-02-009-98	00.00	00.00
3-02-009-99	00.00	00.00
3-02-010-01	00.00	00.00
3-02-010-03	00.00	00.00
3-02-012-01	00.00	00.00
3-02-012-99	00.00	00.00
3-02-013-01	97.00	3.00
3-02-018-99	00.00	00.00
3-02-019-02	00.00	00.00
3-02-019-03	00.00	00.00
3-02-019-99	00.00	00.00

SCC	NO WT.%	NO2 WT.%
3-02-031-04	00.00	00.00
3-02-031-05	00.00	00.00
3-02-031-06	00.00	00.00
3-02-032-99	00.00	00.00
3-02-036-01	00.00	00.00
3-02-886-01	00.00	00.00
3-02-999-99	00.00	00.00
3-02-999-99	00.00	00.00
3-03-000-01	85.00	15.00
3-03-001-02	95.00	5.00
3-03-001-05	95.00	5.00
3-03-001-99	95.00	5.00
3-03-003-01	95.00	5.00
3-03-003-02	95.00	5.00
3-03-003-03	95.00	5.00
3-03-003-04	95.00	5.00
3-03-003-06	95.00	5.00
3-03-003-08	95.00	5.00
3-03-003-10	95.00	5.00
3-03-003-12	95.00	5.00
3-03-003-99	95.00	5.00
3-03-004-01	95.00	5.00
3-03-005-05	95.00	5.00
3-03-005-99	95.00	5.00
3-03-006-99	95.00	5.00
3-03-008-01	95.00	5.00
3-03-008-02	95.00	5.00
3-03-008-03	95.00	5.00
3-03-008-05	95.00	5.00
3-03-008-07	95.00	5.00
3-03-008-13	95.00	5.00
3-03-008-24	95.00	5.00
3-03-008-25	95.00	5.00
3-03-008-99	95.00	5.00
3-03-009-01	00.00	00.00
3-03-009-03	95.00	5.00
3-03-009-11	95.00	5.00
3-03-009-12	95.00	5.00
3-03-009-13	95.00	5.00
3-03-009-20	00.00	00.00
3-03-009-31	00.00	00.00
3-03-009-32	00.00	00.00
3-03-009-33	00.00	00.00
3-03-009-34	85.00	15.00
3-03-009-99	95.00	5.00
3-03-030-02	85.00	15.00
3-03-030-05	95.00	5.00
3-03-030-09	85.00	15.00
3-03-030-12	95.00	5.00
3-03-999-99	95.00	5.00
3-04-001-01	00.00	00.00
3-04-001-02	00.00	00.00
3-04-001-03	00.00	00.00
3-04-001-04	00.00	00.00

TABLE 7 (continued)

SCC	NO WT.%	NO2 WT.%
3-04-001-06	00.00	00.00
3-04-001-07	00.00	00.00
3-04-001-09	00.00	00.00
3-04-001-09	00.00	00.00
3-04-001-10	00.00	00.00
3-04-001-11	00.00	00.00
3-04-001-50	00.00	00.00
3-04-001-99	00.00	00.00
3-04-002-17	00.00	00.00
3-04-002-30	00.00	00.00
3-04-002-39	00.00	00.00
3-04-002-99	00.00	00.00
3-04-003-01	00.00	00.00
3-04-003-03	00.00	00.00
3-04-003-30	85.00	15.00
3-04-003-40	00.00	00.00
3-04-003-50	00.00	00.00
3-04-003-51	85.00	15.00
3-04-003-60	85.00	15.00
3-04-003-99	00.00	00.00
3-04-004-01	00.00	00.00
3-04-004-02	00.00	00.00
3-04-004-03	00.00	00.00
3-04-004-04	00.00	00.00
3-04-004-09	00.00	00.00
3-04-004-09	00.00	00.00
3-04-004-99	00.00	00.00
3-04-005-01	95.00	5.00
3-04-005-02	95.00	5.00
3-04-005-03	95.00	5.00
3-04-005-06	95.00	5.00
3-04-005-07	95.00	5.00
3-04-005-09	95.00	5.00
3-04-007-01	85.00	15.00
3-04-007-04	85.00	15.00
3-04-007-05	85.00	15.00
3-04-007-06	85.00	15.00
3-04-007-07	85.00	15.00
3-04-007-99	85.00	15.00
3-04-008-99	00.00	00.00
3-04-020-04	95.00	5.00
3-04-020-99	95.00	5.00
3-04-022-01	85.00	15.00
3-04-050-01	00.00	00.00
3-04-999-99	00.00	00.00
3-05-001-01	00.00	00.00
3-05-001-02	00.00	00.00
3-05-001-04	00.00	00.00
3-05-001-05	95.00	5.00
3-05-001-99	90.00	10.00
3-05-002-01	95.00	5.00
3-05-002-02	95.00	5.00
3-05-002-05	95.00	5.00
3-05-002-99	95.00	5.00
3-05-003-02	95.00	5.00
3-05-003-03	95.00	5.00
3-05-003-04	85.00	15.00
3-05-003-05	95.00	5.00
3-05-003-08	95.00	5.00
3-05-003-09	95.00	5.00
3-05-003-11	95.00	5.00
3-05-003-12	98.00	2.00
3-05-003-13	95.00	5.00
3-05-003-14	95.00	5.00
3-05-003-16	95.00	5.00
3-05-003-99	95.00	5.00
3-05-005-01	85.00	15.00
3-05-005-02	95.00	5.00
3-05-005-99	90.00	10.00
3-05-006-06	95.00	5.00
3-05-006-08	95.00	5.00
3-05-006-09	95.00	5.00
3-05-006-10	95.00	5.00
3-05-006-11	95.00	5.00
3-05-006-12	95.00	5.00
3-05-006-13	95.00	5.00
3-05-006-14	95.00	5.00
3-05-006-15	95.00	5.00
3-05-006-16	95.00	5.00
3-05-006-17	95.00	5.00
3-05-006-18	95.00	5.00
3-05-006-19	95.00	5.00
3-05-007-05	95.00	5.00
3-05-007-06	95.00	5.00
3-05-007-07	95.00	5.00
3-05-007-08	95.00	5.00
3-05-007-09	95.00	5.00
3-05-007-10	95.00	5.00
3-05-007-11	95.00	5.00
3-05-007-12	95.00	5.00
3-05-007-14	95.00	5.00
3-05-007-15	95.00	5.00
3-05-007-16	95.00	5.00
3-05-007-17	95.00	5.00
3-05-007-18	95.00	5.00
3-05-007-19	95.00	5.00
3-05-009-01	00.00	00.00
3-05-009-05	00.00	00.00
3-05-010-01	97.00	3.00
3-05-010-08	97.00	3.00
3-05-010-09	97.00	3.00
3-05-010-10	97.00	3.00
3-05-010-11	97.00	3.00
3-05-010-12	97.00	3.00
3-05-010-13	97.00	3.00
3-05-010-14	97.00	3.00
3-05-010-15	97.00	3.00
3-05-010-24	95.00	5.00

TABLE 7 (continued)

SCC	NO WT.%	NO2 WT.%
3-05-010-99	97.00	3.00
3-05-011-07	95.00	5.00
3-05-011-08	95.00	5.00
3-05-011-10	95.00	5.00
3-05-011-11	95.00	5.00
3-05-011-20	00.00	00.00
3-05-012-01	95.00	5.00
3-05-012-03	95.00	5.00
3-05-012-04	95.00	5.00
3-05-012-05	90.00	10.00
3-05-012-15	95.00	5.00
3-05-012-99	95.00	5.00
3-05-013-99	95.00	5.00
3-05-014-01	95.00	5.00
3-05-014-03	00.00	00.00
3-05-014-04	95.00	5.00
3-05-014-06	95.00	5.00
3-05-014-08	95.00	5.00
3-05-014-10	00.00	00.00
3-05-014-11	95.00	5.00
3-05-014-99	95.00	5.00
3-05-015-03	95.00	5.00
3-05-016-01	95.00	5.00
3-05-016-02	95.00	5.00
3-05-016-03	00.00	00.00
3-05-016-04	00.00	00.00
3-05-016-05	00.00	00.00
3-05-016-06	00.00	00.00
3-05-016-07	95.00	5.00
3-05-016-08	95.00	5.00
3-05-016-10	95.00	5.00
3-05-016-11	95.00	5.00
3-05-016-14	95.00	5.00
3-05-016-16	95.00	5.00
3-05-016-99	95.00	5.00
3-05-017-01	00.00	00.00
3-05-018-99	95.00	5.00
3-05-019-02	00.00	00.00
3-05-019-03	95.00	5.00
3-05-020-01	95.00	5.00
3-05-020-02	95.00	5.00
3-05-020-03	95.00	5.00
3-05-020-04	95.00	5.00
3-05-020-05	95.00	5.00
3-05-020-06	95.00	5.00
3-05-020-07	95.00	5.00
3-05-020-08	95.00	5.00
3-05-020-09	95.00	5.00
3-05-020-10	95.00	5.00
3-05-020-11	95.00	5.00
3-05-021-01	95.00	5.00
3-05-025-01	95.00	5.00
3-05-026-01	95.00	5.00
3-05-030-99	90.00	10.00

SCC	NO WT.%	NO2 WT.%
3-05-031-01	95.00	5.00
3-05-031-04	95.00	5.00
3-05-031-05	95.00	5.00
3-05-031-07	95.00	5.00
3-05-031-10	95.00	5.00
3-05-032-02	95.00	5.00
3-05-032-03	95.00	5.00
3-05-032-04	95.00	5.00
3-05-032-05	95.00	5.00
3-05-032-06	95.00	5.00
3-05-032-99	95.00	5.00
3-05-040-23	00.00	00.00
3-05-040-25	95.00	5.00
3-05-040-30	00.00	00.00
3-05-040-34	95.00	5.00
3-05-040-99	95.00	5.00
3-05-100-02	95.00	5.00
3-05-100-03	95.00	5.00
3-05-100-04	95.00	5.00
3-05-999-99	95.00	5.00
3-06-001-01	85.00	15.00
3-06-001-02	95.00	5.00
3-06-001-03	98.00	2.00
3-06-001-04	95.00	5.00
3-06-001-05	95.00	5.00
3-06-002-01	85.00	15.00
3-06-003-01	85.00	15.00
3-06-004-01	85.00	15.00
3-06-004-02	00.00	00.00
3-06-005-01	00.00	00.00
3-06-005-02	00.00	00.00
3-06-005-03	00.00	00.00
3-06-005-04	00.00	00.00
3-06-006-02	00.00	00.00
3-06-006-03	85.00	15.00
3-06-007-01	00.00	00.00
3-06-007-02	00.00	00.00
3-06-008-01	00.00	00.00
3-06-008-02	00.00	00.00
3-06-008-03	00.00	00.00
3-06-008-04	00.00	00.00
3-06-008-05	00.00	00.00
3-06-008-06	85.00	15.00
3-06-008-07	85.00	15.00
3-06-009-01	95.00	5.00
3-06-009-99	95.00	5.00
3-06-011-01	00.00	00.00
3-06-012-01	00.00	00.00
3-06-016-13	85.00	15.00
3-06-888-01	00.00	00.00
3-06-998-99	00.00	00.00
3-06-999-99	00.00	00.00
3-06-999-99	85.00	15.00
3-07-001-01	00.00	00.00

TABLE 7 (continued)

SCC	NO WT.%	NO2 WT.%
3-07-001-03	00.00	00.00
3-07-001-04	00.00	00.00
3-07-001-06	00.00	00.00
3-07-001-99	00.00	00.00
3-07-002-21	00.00	00.00
3-07-002-99	00.00	00.00
3-07-003-01	00.00	00.00
3-07-004-01	00.00	00.00
3-07-004-02	00.00	00.00
3-07-004-99	00.00	00.00
3-07-005-01	00.00	00.00
3-07-007-01	00.00	00.00
3-07-007-02	00.00	00.00
3-07-007-03	00.00	00.00
3-07-007-99	00.00	00.00
3-07-008-04	00.00	00.00
3-07-008-99	00.00	00.00
3-07-011-99	00.00	00.00
3-07-020-99	00.00	00.00
3-07-030-01	00.00	00.00
3-07-030-02	00.00	00.00
3-07-030-99	00.00	00.00
3-07-888-01	00.00	00.00
3-07-999-99	00.00	00.00
3-08-001-01	95.00	5.00
3-08-001-02	00.00	00.00
3-08-001-05	00.00	00.00
3-08-001-06	00.00	00.00
3-08-001-07	00.00	00.00
3-08-001-08	95.00	5.00
3-08-001-97	95.00	5.00
3-08-001-98	95.00	5.00
3-08-001-99	00.00	00.00
3-08-006-99	95.00	5.00
3-08-007-99	00.00	00.00
3-08-902-46	00.00	00.00
3-09-000-01	00.00	00.00
3-09-001-99	00.00	00.00
3-09-002-01	00.00	00.00
3-09-002-05	00.00	00.00
3-09-002-99	00.00	00.00
3-09-010-01	00.00	00.00
3-09-010-99	00.00	00.00
3-09-011-02	95.00	5.00
3-09-020-99	85.00	15.00
3-09-030-01	00.00	00.00
3-09-030-02	00.00	00.00
3-09-030-03	00.00	00.00
3-09-030-04	00.00	00.00
3-09-030-05	00.00	00.00
3-09-030-99	00.00	00.00
3-09-888-01	00.00	00.00
3-09-999-99	85.00	15.00
3-20-991-99	00.00	00.00
3-20-999-99	00.00	00.00
3-20-999-99	00.00	00.00
3-30-001-01	00.00	00.00
3-30-001-02	00.00	00.00
3-30-001-03	00.00	00.00
3-30-001-99	00.00	00.00
3-30-002-01	00.00	00.00
3-30-002-02	00.00	00.00
3-30-002-03	00.00	00.00
3-30-002-99	00.00	00.00
3-30-003-99	00.00	00.00
3-90-001-99	00.00	00.00
3-90-002-01	00.00	00.00
3-90-002-03	00.00	00.00
3-90-002-99	00.00	00.00
3-90-004-02	98.00	2.00
3-90-004-03	98.00	2.00
3-90-004-08	98.00	2.00
3-90-004-99	98.00	2.00
3-90-005-01	98.00	2.00
3-90-005-02	98.00	2.00
3-90-005-99	98.00	2.00
3-90-006-08	95.00	5.00
3-90-006-90	95.00	5.00
3-90-006-99	95.00	5.00
3-90-007-01	00.00	00.00
3-90-007-02	97.00	3.00
3-90-007-97	00.00	00.00
3-90-007-98	97.00	3.00
3-90-007-99	00.00	00.00
3-90-008-01	97.00	3.00
3-90-010-99	97.00	3.00
3-90-999-97	95.00	5.00
3-90-999-99	95.00	5.00
3-99-999-99	00.00	00.00
5-01-001-01	85.00	15.00
5-01-001-02	85.00	15.00
5-01-001-99	85.00	15.00
5-01-002-01	85.00	15.00
5-01-002-02	85.00	15.00
5-01-005-06	00.00	00.00
5-01-005-07	85.00	15.00
5-01-005-99	85.00	15.00
5-01-900-05	85.00	15.00
5-01-900-06	85.00	15.00
5-01-900-10	85.00	15.00
5-02-001-01	85.00	15.00
5-02-001-02	85.00	15.00
5-02-001-03	85.00	15.00
5-02-001-04	85.00	15.00
5-02-001-05	85.00	15.00
5-02-001-06	95.00	5.00
5-02-002-01	85.00	15.00
5-02-003-01	85.00	15.00

TABLE 7 (continued)

SCC	NO WT.%	NO2 WT.%
5-02-003-99	85.00	15.00
5-02-005-05	00.00	00.00
5-02-005-06	00.00	00.00
5-02-005-99	85.00	15.00
5-02-900-05	85.00	15.00
5-02-900-06	95.00	5.00
5-03-001-01	85.00	15.00
5-03-001-02	85.00	15.00
5-03-001-03	85.00	15.00
5-03-001-04	85.00	15.00
5-03-001-05	85.00	15.00
5-03-001-06	85.00	15.00
5-03-001-08	85.00	15.00
5-03-002-01	85.00	15.00
5-03-002-02	85.00	15.00
5-03-002-03	85.00	15.00
5-03-005-06	85.00	15.00
5-03-005-99	85.00	15.00
5-03-900-06	85.00	15.00
5-03-900-10	85.00	15.00
5-99-999-99	85.00	15.00
6-01-999-99	00.00	00.00
9-99-999-01	97.00	3.00
9-99-999-02	97.00	3.00
9-99-999-03	98.00	2.00
9-99-999-04	95.00	5.00
9-99-999-05	85.00	15.00
9-99-999-06	97.00	3.00
9-99-999-07	97.00	3.00
9-99-999-08	98.00	2.00
9-99-999-09	98.00	2.00
9-99-999-10	95.00	5.00
9-99-999-11	85.00	15.00
9-99-999-12	97.00	3.00
9-99-999-13	97.00	3.00
9-99-999-14	98.00	2.00
9-99-999-15	98.00	2.00
9-99-999-16	95.00	5.00
9-99-999-17	85.00	15.00
9-99-999-18	85.00	15.00
9-99-999-19	85.00	15.00
9-99-999-20	85.00	15.00
9-99-999-21	85.00	15.00
9-99-999-22	85.00	15.00
9-99-999-23	85.00	15.00
9-99-999-24	90.00	10.00
9-99-999-25	90.00	10.00
9-99-999-26	90.00	10.00
9-99-999-27	90.00	10.00
9-99-999-28	90.00	10.00
9-99-999-29	90.00	10.00
9-99-999-30	90.00	10.00
9-99-999-31	90.00	10.00
9-99-999-32	90.00	10.00
9-99-999-33	90.00	10.00
9-99-999-34	90.00	10.00
9-99-999-35	97.00	3.00
9-99-999-36	97.00	3.00
9-99-999-37	97.00	3.00
9-99-999-38	97.00	3.00
9-99-999-39	97.00	3.00
9-99-999-40	95.00	5.00
9-99-999-41	00.00	00.00
9-99-999-42	00.00	00.00
9-99-999-43	85.00	15.00
9-99-999-44	85.00	15.00
9-99-999-45	85.00	15.00
9-99-999-46	85.00	15.00
9-99-999-47	00.00	00.00
9-99-999-48	00.00	00.00
9-99-999-49	00.00	00.00
9-99-999-50	00.00	00.00
9-99-999-51	00.00	00.00
9-99-999-52	00.00	00.00
9-99-999-53	00.00	00.00
9-99-999-54	00.00	00.00

TABLE 8. ADDITIONAL POINT SOURCE SCC THAT REQUIRE PROFILES FOR NAPAP

Utility Boilers

10100221
10100222
10100223
10100301
10100303
10100306
10100501
10100702
10100901
10100902

Industrial Boilers

10200201
10200799
10201002
10201101[a]

Comm.-Inst. Boilers

10300207
10300501
10300601
10300901
10300903

Space Heaters

10500205

Internal Combustion

20100901
20100902

Industrial Processes

30100305[a]
30100306[a]
30100307[a]
30100308[a]
30100309[a]
30100399[a]

Industrial Processes (continued)

30100699
30100899
30100999
30101101
30101399
30101502
30101505
30101807
30101822[a]
30101901
30101904
30102005
30102199[a]
30102301
30102410
30102599
30102602
30202608
30102711[a]
30102712[a]
30103099[a]
30103101[a]
30103199[a]
30103202
30103410
30104101
30109101[a]
30110099
30111199
30112501
30113004
30188801
30200202[a]
30200701
30200902
30200998
30200999
30201301
30201401[a]
30201902
30201903
30201999

Industrial Processes (continued)

30203399[a]
30288801
30299998
30300102
30300105
30300304
30300399
30300505
30300699
30300824
30300912
30300913
30301199[a]
30301499[a]
30400111
30400199
30400217
30400230
30400238
30400301
30400701
30400706
30402201
30500202
30500299
30500312
30500403[a]
30500501
30501099
30501299
30501399
30501701
30503099
30600504
30601201
30700101
30700104
30700106
30700221
30700299
30700301
30700401

(continued)

TABLE 8 (continued)

Industrial Processes
(continued)

30700703
30701199
30788801
30800108
30900199
30901102
31000199[a]
31000299[a]
33000201

Evaporative Sources

40100104
40100399[a]
40200706
40200914[a]
40200916
40200923[a]
40201702
40201705
40201728
40201799
40202001
40202103
40202599
40300108
40301008
40301013
40301014
40301017
40301019

Evaporative Sources
(continued)

40301021
40301103
40301108
40301110
40301112
40301117
40301197
40301198
40301202
40301204
40301206
40400104
40400107
40400112
40400113
40400116
40400201
40400202
40400205
40400207
40400212
40400250
40500199
40500311
40500503
40500601
40600132
40600133
40600137
40600138
40600139[a]

Evaporative Sources
(continued)

40600144
40600146
40600148
40600197
40600198
40600236
40600241
40600243
40600244
40600246
40600248
40600249
40600251
40600305
40600499
49000105
49000199

Solid Waste Disposal

50100202
50100506
50200104
50200105
50290006
50300101
50300104
50300105
50300201
50300203

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[a] Have not yet been assigned to a profile, and thus do not appear in the Species Index File.

- 4-02-025-99 (Organic Solvent, Surface Coating, and Misc. Metal Parts; See Comment)
- 4-05-006-01 (Printing/Publish, Printing Process, Ink Mixing, and General).

For the organic solvent process, VOC emissions were assumed to reflect 100 percent by weight methyl acetate. The remaining profiles were developed by equally weighting KVB tables which reflected processes similar to the SCC under consideration. For example, a profile for SCC 3-08-001-08 was developed using a 1-1-1 mixture, by weight, of the profiles in tables 3-01-026A, B and C in the VOC Species Data Manual.[4]

It was not possible to readily identify or develop appropriate VOC profiles for the remaining 28 SCC. Due to the time constraints involved, these SCC are not represented in the NAPAP species allocation factors. However, previous EPA studies and the literature may contain sufficient data on raw materials, process reactions, and perhaps even emissions, to allow VOC profile development for all 28 of the SCC. Specifically, data obtained during development of Background Information Documents (BID) and Control Technique Guideline (CTG) documents should be reviewed. Of particular potential value in development of VOC profiles are the emissions test data on file in the Emission Measurements Branch of EPA's Emission Standards and Engineering Division in Durham, NC. Other sources of information which may support VOC profile development include the studies which serve as background for assignment of SCC and emission factors where a formal BID or CTG was not published.

Area Source SCC-Profile Correlations

The focus of the NAPAP effort required the selection of a different set of area sources than had been used in NECRMP. Along with this new set of categories came a complete reassignment of SCC codes to the area sources. Each area source category was previously presented in Table 1.

Since most of the NAPAP area source categories were similar to NECRMP entries, no new profiles were developed for area sources. Rather, categories were assigned profiles which had been developed for similar categories in the NECRMP effort. For example, the NAPAP area source categories reflecting managed burning (61) and agricultural field burning (62) were assigned the same profile as had been assigned to the field/slash burning category in NECRMP.[2] At times it was necessary to develop composite profiles for NAPAP area source category SCCs. This situation occurred when a NAPAP area source category represented several more general categories in the NECRMP effort. In such cases, new, composite profiles were developed using a weighted average technique. The profiles assigned to the more specific NECRMP categories were weighted on the basis of annual category VOC emissions, as listed in NECRMP Volume XVIII.[12] The composite profile X0007 for solvents purchased (which includes emissions from nine NECRMP categories) and X0006 for gasoline marketed (combining four NECRMP area source categories) were developed in this manner.

NAPAP area source categories 47-54 are not similar to any categories used in NECRMP.[3] Seven of these categories are the so-called "ammonia categories": manure field application (47-51), anhydrous NH_3 fertilizer application (52), and beef cattle feed lots (53). Although these categories are not expected to emit VOC, a default profile, K0089, was assigned to them. This practice was adopted to prevent the RMDHS program from failing, in the unlikely event that some VOC emissions were coded for these categories. The K0089 profile, which reflects VOC emissions of 100 percent 1-1-2 trichloroethane, was also assigned as a default to the area source category 54--minor point sources. This general profile was assigned because an area source category of such diverse elements could not be more specifically represented.

COMPATIBILITY OF SPECIES PROFILES AND EMISSIONS

In general, the VOC species profiles listed in Table C-2 are compatible with the EIS/PS and EIS/AS emission totals to which they are assigned via the SCC Index File. That is, if certain compounds are included in or excluded from the annual emission total for a given category or process, the corresponding profile has been tailored to reflect this. For example, highway vehicle emissions have been computed in most areas using nonmethane emission factors from MOBILE 1/2. Methane has thus been excluded from the pollutant split profiles assigned to highway vehicle emission categories.

In several areas, the emissions data for certain sources in the NAPAP inventory may not be totally compatible with the profiles in Table C-2, necessitating some geographical specificity in the RMDHS pollutant split factor file created for these particular areas. For example, (e.g., Massachusetts and Allegheny County in PA), some adjustments were purportedly made by the State or local agencies in an attempt to exclude nonreactive VOC from various point sources. Unfortunately, there is no way to determine which particular way sources have been adjusted or by how much or for what specific compounds. Complicating this matter is that GCA observed that even when emissions were hand calculated to exclude nonreactive VOC, in many cases an EIS emission estimation method was coded that superceded the hand calculation with a computer calculated emission estimate. In most cases, generally involving external combustion sources, the computer calculated totals are based on AP-42 emission factors that include methane and ethane.

Because of the uncertainty in knowing precisely what was done to exclude nonreactive VOC by the States and local agencies, and because of the potential difficulties in dealing with this problem on a facility-by-facility basis, it is recommended that no across-the-board adjustments be attempted when creating the RMDHS point source split factor file for these areas in question. Although not as important in the acid rain process as the sulfates, VOC are still a contributing factor. To the extent that VOC is significant in the formation of acid rain, the uncertainties regarding the inclusion or exclusion of nonreactive VOC in emissions data should be investigated. RMDHS can accommodate plant or point specific pollutant split data, but it is recommended no adjustments be done until facility data is made available.

In perspective, it is not believed that this profile/emission incompatibility will result in significant error. The potential for such incompatibility only exists in a few areas and for a few source categories most likely involving external combustion, and not the most important VOC emitters in the NAPAP inventories--evaporation and highway vehicles.

REACTIVITY CLASSIFICATION OF VOC SPECIES

The Eulerian Acid Deposition Model requires the breakdown of VOC into reactivity classes, the composition of which can be determined by a number of different chemistries. Each class represents a different degree of photochemical reactivity; species assigned to each class are treated accordingly by the Eulerian Model. The Species Profile/Index File system, since it breaks VOC emissions into contributions from individual species, allows for the flexibility to develop and test a number of reactivity chemistries. A separate file, the VOC Class File, was developed to assign each of the species in the VOC Profile File to the reactivity class appropriate to the chemistry used. All that is required to vary the chemistry scheme used is to change the reactivity class to which each VOC species is assigned in the VOC Class File.

For NAPAP, all chemical compounds identified in the VOC profiles had to be reassigned from 7 to 10 reactivity classes. Seven classes were all that was required for NECRMP; the different focus of the NAPAP effort necessitated more definitive classes. These EPA-provided classes, as well the NECRMP reactivity class numbers and names, are presented below.

Class number	NECRMP classification	NAPAP classification
01	Parafin	Alkanes
02	Olefin	Propylene
03	Aromatic	Aromatic
04	Aldehyde	Aldehyde
05	Miscellaneous	Alkenes
06	Methane	Methane
07	Nonreactive	Ethylene
08	(Not used)	Formaldehyde
09	(Not used)	Organic acids
10	(Not used)	Formic acid

The reassignment of the chemical compounds was complicated by the fact that the 10 new classes did not represent all the chemical compound classes on a chemical structure basis. Therefore, a preliminary reassignment of all chemical compounds to the 10 new classes was conducted and submitted to the Data Management Branch (DMB) of EPA's Meteorology and Assessment Division for review.

Comments received by GCA from the DMB and a DMB contractor were used to finalize the species to reactivity class assignments. Some of these comments seemed to indicate that some of the compounds have been assigned to reactivity classes more on the basis of chemical reactivity than on chemical structure.

The final species to class assignments were coded into the VOC Class File; the record format of this file is delineated in Table 9. Note that the field detailing the number of single bonds for each compound is not currently used; however, the need for this field is anticipated in the future. Table 10 provides a copy of the VOC Class File Species to classification assignments developed for NAPAP.

COMPUTER FORMATS

Species allocation factors are not coded in RMDHS format, because this would necessitate selection of a particular reactivity classification scheme. The format used in this study in a more general one based on unclassified species profiles and a cross-reference list between these profiles and SCCs. The SCC Index File simply contains a profile reference for each SCC which "points" to the appropriate species profile. The Species Profile File contains the actual VOC and NO_x species data for each profile. EPA's ESRL has developed software[3] to process the Species Profile and Index Files into allocation factors in RMDHS format.

Detailed field definitions for the SCC Index File and the Species Profile File are provided in Tables 11 and 12, respectively. Each record in the SCC Index File contains the SCC code and the profile key which matches the SCC to the appropriate profile in the Species Profile File. Although the SCC index file has the capability of referencing plant specific profiles, it is not used at this time. Each profile key consists of a single letter reference code followed by a 4-digit identification number. The reference code indicates the data source of the profile, as identified below:

- K = KVB[4]
- R = RAPS[5-9]
- C = California Institute of Technology[10]
- X = Engineering judgment (generally, a combination of other profiles)

The profile number provides a unique identification, usually consistent with the original data source, if possible.

The Species Profile File consists of a single title card and sets of profiles each consisting of a single general profile card and as many species identification cards as necessary (one species per species identification card) to complete the profile. A typical profile is presented in Table 13. The general profile card contains the profile key (described above), and the

TABLE 9. SPECIES CLASS FILE--CLASS ASSIGNMENTS FORMAT

Record position		Length	Data item picture	Description
First	Last			
1	5	5	X(5)	Specie SAROAD code
9	10	2	99	Specie class assignment
11	20	10	9(7)V99	Specie molecular weight
21	25	5	9(5)	Number of single bonds for specie[a]
31	70	40	X(40)	Name of specie

[a] Not used at this time.

TABLE 10. VOC SPECIE REACTIVITY CLASS ASSIGNMENTS FOR THE SPECIES CLASS FILE

SAROAD CODE	CLASS NO.	MOLEC. WEIGHT	*NO. SINGLE BONDS	SPECIES NAME
43000	01	86.00	0000	UNIDENTIFIED HYDROCARBONS
43105	01	86.18	0000	ISOMERS OF HEXANE
43106	01	100.21	0000	ISOMERS OF HEPTANE
43107	01	114.23	0000	ISOMERS OF OCTANE
43108	01	128.26	0000	ISOMERS OF NONANE
43109	01	142.29	0000	ISOMERS OF DECANE
43110	01	156.32	0000	ISOMERS OF UNDECANE
43111	01	184.36	0000	ISOMERS OF TRIDECANE
43112	01	170.33	0000	ISOMERS OF DODECANE
43113	01	198.38	0000	ISOMERS OF TETRADECANE
43114	01	212.41	0000	ISOMERS OF PENTADECANE
43115	01	98.19	0000	C-7 CYCLOPARAFFINS
43116	01	112.23	0000	C-8 CYCLOPARAFFINS
43117	01	126.26	0000	C-9 CYCLOPARAFFINS
43118	01	114.00	0000	MINERAL SPIRITS
43119	01	114.00	0000	LACTOL SPIRITS
43120	05	56.10	0000	ISOMERS OF BUTENE
43121	05	70.14	0000	ISOMERS OF PENTENE
43122	01	72.15	0000	ISOMERS OF PENTANE
43123	05	136.23	0000	TERPENES
43201	06	16.04	0000	METHANE
43202	01	30.07	0000	ETHANE
43203	07	28.05	0000	ETHYLENE
43204	01	44.09	0000	PROPANE
43205	02	42.08	0000	PROPYLENE
43206	01	26.04	0000	ACETYLENE
43207	01	42.08	0000	CYCLOPROPANE
43208	05	40.06	0000	PROPADIENE
43209	05	40.06	0000	METHYLACETYLENE
43212	01	58.12	0000	N-BUTANE
43213	05	56.10	0000	BUTENE
43214	01	58.12	0000	ISOBUTANE
43215	05	56.12	0000	ISOBUTYLENE
43218	05	54.09	0000	1,3-BUTADIENE
43219	05	54.09	0000	ETHYLACETYLENE
43220	01	72.15	0000	N-PENTANE
43221	01	72.15	0000	ISOPENTANE
43223	05	70.14	0000	3-METHYL-1-BUTENE
43224	05	70.14	0000	1-PENTENE
43227	05	70.14	0000	CIS, 2-PENTENE
43228	05	70.14	0000	2-METHYL,2-BUTENE
43231	01	86.18	0000	N-HEXANE
43232	01	100.21	0000	N-HEPTANE
43233	01	114.23	0000	N-OCTANE
43235	01	128.26	0000	N-NONANE
43238	01	142.29	0000	N-DECANE
43241	01	156.32	0000	N-UNDECANE
43242	01	70.14	0000	CYCLOPENTANE
43245	05	84.16	0000	1-HEXENE
43247	01	100.21	0000	2,4, DIMETHYL PENTANE
43248	01	84.16	0000	CYCLOHEXANE
43255	01	170.34	0000	N-DODECANE
43258	01	184.36	0000	N-TRIDECANE
43259	01	198.40	0000	N-TETRADECANE
43260	01	212.42	0000	N-PENTADECANE
43261	01	85.00	0000	METHYLCYCLOHEXANE
43262	01	84.16	0000	METHYLCYCLOPENTANE
43264	05	98.19	0000	1-HEPTENE

TABLE 10 (continued)

SAROAD CODE	CLASS NO.	MOLEC. WEIGHT	*NO. SINGLE BONDS	SPECIES NAME
43265	05	112.22	0000	1-OCTENE
43268	05	98.19	0000	3,3 DIMETHYL, 1-PENTENE
43281	01	226.45	0000	N-HEXADECANE
43282	01	240.48	0000	N-HEPTADECANE
43283	01	254.51	0000	N-OCTADECANE
43284	01	268.53	0000	N-NONADECANE
43285	01	282.56	0000	N-EICOSANE
43286	01	296.59	0000	N-HENEICOSANE
43287	01	310.61	0000	N-DOCOSANE
43290	05	113.24	0000	C8 OLEFIN UNK
43301	01	32.04	0000	METHYL ALCOHOL
43302	01	46.07	0000	ETHYL ALCOHOL
43303	01	60.09	0000	N-PROPYL ALCOHOL
43304	01	60.09	0000	ISOPROPYL ALCOHOL
43305	01	74.12	0000	N-BUTYL ALCOHOL
43306	01	74.12	0000	ISOBUTYL ALCOHOL
43308	01	118.17	0000	BUTYL CELLOSOLVE
43309	01	74.12	0000	TERT-BUTYL ALCOHOL
43310	01	76.11	0000	METHYL CELLOSOLVE
43311	01	90.12	0000	CELLOSOLVE
43320	01	116.16	0000	DIACETONE ALCOHOL
43351	01	74.12	0000	ETHYL ETHER
43367	01	62.07	0000	GLYCOL ETHER
43368	01	62.07	0000	GLYCOL
43369	01	76.00	0000	PROPYLENE GLYCOL
43370	01	62.07	0000	ETHYLENE GLYCOL
43390	01	72.10	0000	TETRAHYDROFURAN
43404	09	60.05	0000	ACETIC ACID
43432	09	74.08	0000	METHYL ACETATE
43433	09	88.10	0000	ETHYL ACETATE
43434	09	102.13	0000	PROPYL ACETATE
43435	09	116.16	0000	N-BUTYL ACETATE
43438	05	100.11	0000	ETHYL ACRYLATE
43443	01	132.00	0000	CELLOSOLVE ACETATE
43444	01	104.00	0000	ISOPROPYL ACETATE
43445	01	140.00	0000	METHYL AMYL ACETATE
43446	01	116.16	0000	ISOBUTYL ACETATE
43450	01	73.09	0000	DIMETHYLFORMAMIDE
43451	01	144.21	0000	ISOBUTYL ISOBUTYRATE
43452	01	132.00	0000	2-ETHOXYETHYL ACETATE
43502	08	30.03	0000	FORMALDEHYDE
43503	04	44.05	0000	ACETALDEHYDE
43510	04	72.12	0000	BUTYRALDEHYDE
43513	04	29.00	0000	ALDEHYDE
43551	01	58.08	0000	ACETONE
43552	01	72.10	0000	METHYL ETHYL KETONE
43559	01	100.16	0000	METHYL N-BUTYL KETONE
43560	01	100.16	0000	METHYL ISOBUTYL KETONE
43561	01	98.15	0000	CYCLOHEXANONE
43601	01	44.05	0000	ETHYLENE OXIDE
43602	01	58.08	0000	PROPYLENE OXIDE
43702	05	41.05	0000	ACETONITRILE
43704	05	55.06	0000	ACRYLONITRILE
43720	01	31.06	0000	METHYLAMINE
43721	01	45.09	0000	ETHYLAMINE
43740	01	59.11	0000	TRIMETHYLAMINE
43801	01	50.49	0000	METHYL CHLORIDE
43802	01	84.94	0000	DICHLOROMETHANE

TABLE 10 (continued)

SAROAD CODE	CLASS NO.	MOLEC. WEIGHT	*NO. SINGLE BONDS	SPECIES NAME
43803	01	119.39	0000	CHLOROFORM
43807	01	331.67	0000	CARBON TETRABROMIDE
43811	01	137.37	0000	TRICHLORO-FLUOROMETHANE
43812	01	64.52	0000	ETHYL CHLORIDE
43813	01	98.97	0000	1,1, DICHLOROETHANE
43814	01	133.42	0000	1,1,1,-TRICHLOROETHANE
43815	01	99.00	0000	ETHYLENE DICHLORIDE
43817	05	165.83	0000	PERCHLOROETHYLENE
43819	01	173.85	0000	METHYLENE BROMIDE
43820	01	133.42	0000	1,1,2-TRICHLOROETHANE
43821	01	187.38	0000	TRICHLOROTRIFLUOROMETHANE
43822	01	93.19	0000	TRIMETHYLFLUOROSILANE
43823	01	120.91	0000	DICHLORODIFLUOROMETHANE
43824	05	131.40	0000	TRICHLOROETHYLENE
43860	05	62.50	0000	VINYL CHLORIDE
45100	03	95.64	0000	PRIM. AND SEC-ALKYL BENZENES
45101	01	114.00	0000	NAPHTHA
45102	03	106.17	0000	ISOMERS OF XYLENE
45103	03	134.22	0000	DIMETHYLETHYLBENZENE
45104	03	120.19	0000	ISOMERS OF ETHYLTOLUENE
45105	03	134.22	0000	ISOMERS OF BUTYLBENZENE
45106	03	134.22	0000	ISOMERS OF DIETHYLBENZENE
45107	03	120.19	0000	ISOMERS OF TRIMETHYLBENZENE
45108	03	120.19	0000	ISOMERS OF PROPYLBENZENE
45201	03	78.12	0000	BENZENE
45202	03	92.15	0000	TOLUENE
45203	03	106.17	0000	ETHYLBENZENE
45204	03	106.17	0000	ORTHO XYLENE
45205	03	106.17	0000	1,3 DIMETHYLBENZENE
45207	03	120.20	0000	1,3,5-TRIMETHYLBENZENE
45212	03	120.20	0000	M-ETHYLTOLUENE
45214	03	134.21	0000	N-BUTYLBENZENE
45215	03	134.22	0000	TERT-BUTYLBENZENE
45216	03	134.21	0000	SEC-BUTYLBENZENE
45220	03	104.16	0000	STYRENE
45221	03	118.18	0000	A-METHYLSTYRENE
45225	03	120.20	0000	1,2,3,-TRIMETHYLBENZENE
45230	03	120.20	0000	ISOMERS OF TRIMETHYLBENZENE
45232	03	132.00	0000	TETRAMETHYLBENZENE
45233	03	219.50	0000	TRI/TETRAALKYL BENZENE
45300	03	94.11	0000	PHENOLS
45401	09	230.00	0000	XYLENE BASE ACIDS
45801	03	112.56	0000	CHLOROBENZENE
46201	01	88.12	0000	1,4 DIOXANE

*THE NUMBER OF SINGLE BONDS IS NOT CURRENTLY UTILIZED: HOWEVER, ITS USE IS ANTICIPATED IN FUTURE EFFORTS.

TABLE 11. SPECIES INDEX FILE FORMAT

Record position				
First	Last	Length	Data item picture	Description
1	2	2	X(2)	State code[a]
3	6	4	X(4)	County code[a]
7	10	4	X(4)	Plant code[a]
11	13	3	X(3)	3-Digit Point code[a]
14	21	8	9(8)	SCC
23	27	5	X(5)	Profile key
28	31	4	X(4)	VOC adjustment indicator[a]

Source: Reference 3.

[a] Not used at this time.

TABLE 12. SPECIES PROFILE FILE FORMAT

Record position		Length	Data item picture	Description
First	Last			
CARD 1 FORMAT (Title Card)				
1	78	78	X(78)	Identifying title
80	80	1	9	Card number ('1')
CARD 2 FORMAT (General Profile Card)				
1	5	5	X(5)	Profile key
11	15	5	9(2)V99	NO weight %
18	22	5	9(2)V99	NO_2 weight %
25	29	5	9(2)V99	HCHO weight %
32	40	9	X(9)	Reference (varies w/data source)
41	78	38	X(38)	Comments
80	80	1	9	Card number ('2')
CARD 3 FORMAT (VOC Species Identification Cards)				
1	5	5	X(5)	Profile key
8	12	5	9(5)	Species SAROAD CODE
15	24	10	9(7)V99	Species weight
27	36	10	9(7)V99	Species molecular weight
37	76	40	X(40)	Species name
78	79	2	99	Card number ('3')

Source: Reference 3.

TABLE 13. TYPICAL VOC SPECIES PROFILE

```
                         GENERAL PROFILE CARD (CARD2)
                         ============================

PROFILE    NO      NO2    HCHO   REFERENCE                                      CARD
KEY      WT. %   WT. %   WT. %     FIELD    COMMENT FIELD                         NO
=====    =====   =====   =====   =========-------------------------------------- =
K0011    95.00    5.00   00.00     303003                                          2


                    SPECIES IDENTIFICATION CARDS (CARD 3)
                    =====================================

PROF.  SAROAD    WEIGHT    MOLECULAR                                        SEQ&CARD
KEY    CODE        %         WEIGHT   SPECIES NAME                                NO
=====  =====  ==========  ==========-------------------------------------------- ===

K0011  43204         .50       44.09  PROPANE                                      13
K0011  43203       27.70       28.05  ETHYLENE                                     23
K0011  43205        1.90       42.08  PROPYLENE                                    33
K0011  43213         .10       56.10  BUTENE                                       43
K0011  43218         .50       54.09  1,3-BUTADIENE                                53
K0011  45202         .70       92.15  TOLUENE                                      63
K0011  43206        1.20       26.04  ACETYLENE                                    73
K0011  43201       45.30       16.04  METHANE                                      83
K0011  43202        8.00       30.07  ETHANE                                       93
K0011  45201       14.10       78.12  BENZENE                                     103
```

Source: Reference 2, page 34.

NO, NO_2 and HCHO weight percents for that profile. The reference field lists a table I.D. or other identification from the source document; for KVB profiles, this is in the KVB table number. The comment field is used where additional descriptive information is required.

Each species identification card describes a specific VOC species in the profile. Each card consists of a SAROAD identification code, weight percent and molecular weight of the species, and the species (compound) name. The cards are numbered in columns 78 to 79 to ensure that they are maintained in the proper sequence.

REFERENCES

1. Paddock, R. E., S. K. Burt, R. C. Haws. The Regional Model Data Handling System (RMDHS) User's Guide. The Research Triangle Institute for the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, September 1981.

2. Sellars, F. M., M. J. Geraghty, A. M. Kiddie, B. J. Bosy and S. V. Capone. The Northeast Corridor Regional Modeling Project Annual Emission Inventory Compilation and Formatting--Volume XVII--Development of Temporal, Spatial and Species Allocation Factors. EPA-450/4-82-013q. October 1982.

3. PSPLIT Programmer's Guide. Environmental Sciences Research Laboratory, Office of Research and Development, U.S. EPA. GSA-IAG DW930026-01-1. September 1983.

4. Volatile Organic Compound (VOC) Species Data Manual, Second Edition. U.S. EPA, Office of Air, Noise, and Radiation, Office of Air Quality Planning and Standards. EPA-450/4-80-015. July 1980.

5. Regional Air Pollution Study, Point and Area Source Organic Emission Inventory. Environmental Sciences Research Laboratory, Office of Research and Development, U.S. EPA. EPA-600/4-78-028. June 1978.

6. Documentation of the Regional Air Pollution Study (RAPS) and Related Investigations in the St. Louis Air Quality Control Region. Environmental Sciences Research Laboratory, Office of Research and Development, U.S. EPA. EPA-600/4-79-076. December 1979.

7. Engineering-Science. Emission Inventories for Urban Airshed Model Application in Tulsa, Oklahoma. Prepared for U.S. EPA, Office of Air, Noise, and Radiation, Office of Air Quality Planning and Standards. EPA-450/4-80-021. September 1980.

8. Rockwell International, Atomics International Division. Regional Air Pollution Study (RAPS), 100% Completion Report for Task Order 108-F, Hydrocarbon Emission Inventory. AMC7010.108F.FCR. March 1977.

9. SRI International. Evaluation of Emission Inventory Methodologies for the RAPS Program. Prepared for U.S. EPA, Office of Air and Waste Management, Office of Air Quality Planning and Standards. EPA-450/3-78-008. January 1978.

10. California Institute of Technology. Speciated Hydrocarbon Profiles. Provided by Ms. Joan Novak, ESRL, MD-80, U.S. EPA, October 1981.

11. Klemm, H. A., and R. J. Brennan. Emissions Inventory for the SURE Region. GCA/Technology Division for the Electric Power Research Institute (EPRI). EA-1913. April 1981.

12. Sellars, F. M. and B. J. Bosy. Northeast Corridor Regional Modeling Project Inventory Compilation and Formatting--Volume XVIII--Inventory Review and Evaluation. EPA-450/4-82-013r. July 1983.

SECTION 5

RMDHS PROCESSING

INTRODUCTION

The allocation factors and emissions data developed for the NAPAP study were processed into a modeler's tape using the Regional Model Data Handling System (RMDHS).[1] RMDHS, developed in 1981, is a package of four major programs which was used to preprocess NECRMP data into input format of the Regional Oxidant Model (ROM). The Eulerian Acid Deposition Model to be used in NAPAP requires input data similarly formatted; thus, RMDHS required relatively minor modifications to ready it for use in NAPAP. These changes primarily reflect the increased size of the study area, and different target source categories and pollutants than those used in NECRMP.

A detailed discussion of RMDHS, its modification for use in NAPAP, and the processing of the NAPAP data is presented below.

REGIONAL MODEL DATA HANDLING SYSTEM (RMDHS)

RMDHS, a modification of the Airshed Model Data Handling System (ASMDHS), is a COBOL software package developed to preprocess NECRMP emissions inventory data for input to the Regional Oxidant Model (ROM). There are six basic functions of the RMDHS system:

- Calculation of projected emission rates by application of growth factors and/or control measure efficiencies;
- Distribution of emissions of nitrogen oxides and volatile organic compounds into the component species required by the ROM;
- Calculation of hourly emission rates for all emission species;
- Separation of point sources into elevated and ground level sources;
- Spatial allocation (gridding) of ground level point sources and area sources; and
- Conversion of gridded and speciated hourly emission rates into ROM processor input format.

RMDHS, developed for EPA's Office of Air Quality Planning and Standards (OAQPS) by Research Triangle Institute (RTI), was delivered in 1981 and is currently operational. In 1982, large scale testing of the system using actual NECRMP data uncovered several problems, primarily relating to the enormous size of the data base. As a result, EPA made major modifications to RMDHS. These are discussed later in this section.

System Description

The RMDHS system contains four major modules. First, emissions inventory data in EIS/P&R Master File format are processed through the Control Measures and Growth Projection (CMGROW) routine to produce an inventory file with modified emission rates and a printed summary of the emissions data.* The CMGROW output file is then processed by the Temporal and Pollutant Split (TPSPLIT) program which creates a file of hourly emission values for each source by pollutant species as required by the ROM. The TPSPLIT output file for point sources is then subjected to the Major/Minor Point Source Division/Model Conversion (PSCONV) routine which extracts individual point sources that are large enough to have a distinct impact on the model results. Emissions from minor point sources are summed by grid and output separately from the major sources. Area source emissions (from TPSPLIT) are spatially allocated to grids by the Area Source Gridding and Model Conversion (ASGRID) routine. Figure 7 summarizes the operation of the major components of RMDHS.

OAQPS Modifications to the RMDHS System

The OAQPS Monitoring and Data Analysis Division's Source Receptor Analysis Branch (SRAB) began large scale testing with actual NECRMP emission inventory data in February 1982. This testing revealed several problems, mainly related to the size of the NECRMP data base. The modifications necessary to correct these problems dealt primarily with increased capacity of internal data arrays and improved efficiency.

Additionally, it was necessary to modify the format of the emissions data input into and output from RMDHS. The emissions data collected for NECRMP and NAPAP was in EIS/PS and EIS/AS format. A routine had to be developed to convert these data into the EIS/P&R input format required by RMDHS. Like its predecessor, ASMDHS, the RMDHS system was designed to meet the input format requirements of the SAI Urban Airshed Model. Thus, the output files from RMDHS cannot be used directly as input to the ROM. ESRL developed a RMDHS/ROM processor which prepares RMDHS output for direct input to the ROM. In addition to reformatting the data, the processor includes algorithms to account for mesoscale effects such as the quenching of ozone (O_3) by large NO_x plumes. A similar type of processor will probably be required to ready NAPAP output from RMDHS for input into the Eulerian Acid Deposition Model.

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*Although no control on growth measures were applied, RMDHS requires processing of the EIS-emission data through this module.

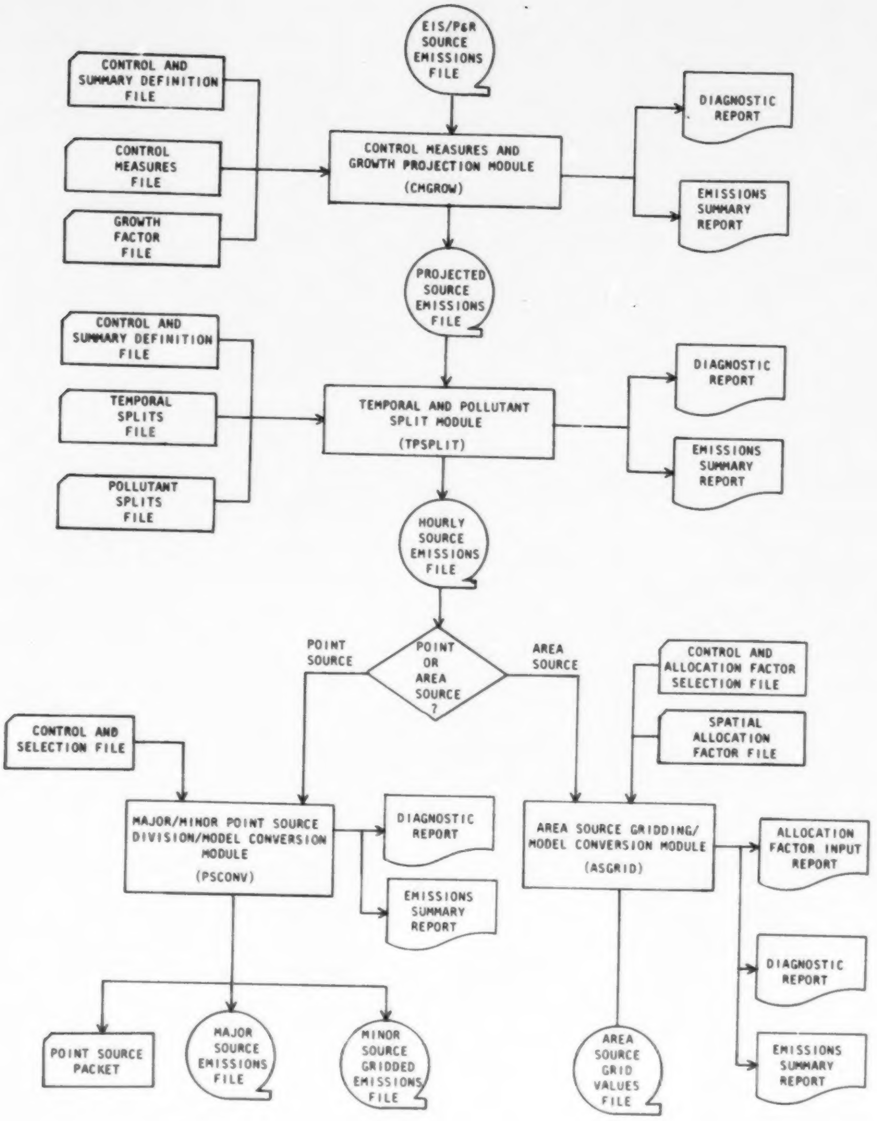
EIS/P&R SOURCE EMISSIONS FILE
CONTROL AND SUMMARY DEFINITION FILE
CONTROL MEASURES FILE
GROWTH FACTOR FILE
CONTROL MEASURES AND GROWTH PROJECTION MODULE (CMGROW)
DIAGNOSTIC REPORT
EMISSIONS SUMMARY REPORT
PROJECTED SOURCE EMISSIONS FILE
CONTROL AND SUMMARY DEFINITION FILE
TEMPORAL SPLITS FILE
POLLUTANT SPLITS FILE
TEMPORAL AND POLLUTANT SPLIT MODULE (TPSPLIT)
DIAGNOSTIC REPORT
EMISSIONS SUMMARY REPORT
HOURLY SOURCE EMISSIONS FILE
POINT SOURCE
POINT OR AREA SOURCE ?
AREA SOURCE
CONTROL AND SELECTION FILE
MAJOR/MINOR POINT SOURCE DIVISION/MODEL CONVERSION MODULE (PSCONV)
DIAGNOSTIC REPORT
EMISSIONS SUMMARY REPORT
CONTROL AND ALLOCATION FACTOR SELECTION FILE
SPATIAL ALLOCATION FACTOR FILE
AREA SOURCE GRIDDING/MODEL CONVERSION MODULE (ASGRID)
ALLOCATION FACTOR INPUT REPORT
DIAGNOSTIC REPORT
EMISSIONS SUMMARY REPORT
POINT SOURCE PACKET
MAJOR SOURCE EMISSIONS FILE
MINOR SOURCE GRIDDED EMISSIONS FILE
AREA SOURCE GRID VALUES FILE

Figure 7. General data flow plan for the Regional Model Data Handling System.

Source: Reference 2

RMDHS MODIFICATIONS FOR NAPAP

Although RMDHS is basically adequate to provide the interim (FY-84) NAPAP deliverable requirements, the system is required to accommodate several further needs, including:

- SO_x resolved to SO_2 and SO_4
- 48 state geographic domain
- NH_3
- Four separate time zones resolved to Greenwich Mean Time.

As a result of these new requirements, several modifications to RMDHS were necessary. These modifications are described below.

Accommodation of NH_3 and $SO_4^=$

The Regional Oxidant Model used in NECRMP required emissions data for 15 emission species: nitrogen oxide (NO) and nitrogen dioxide (NO_2), total suspended particulates (TSP), sulfur dioxide (SO_2), and carbon monoxide (CO). Different pollutants are required for use in the Eulerian Acid Deposition Model. Specifically, emission rates of sulfates ($SO_4^=$) and ammonia (NH_3), both important in acid rain formation, are needed. Thus, it was necessary to modify RMDHS to preprocess these pollutant emissions as well. To simplify this change, it was decided to exclude particulate and CO emissions from consideration in NAPAP. The modification then consisted of allocating the space used to process CO emissions to NH_3 emissions, and the space for TSP emissions to $SO_4^=$ emissions. RMDHS references pollutants by Storage and Retrieval of Aerometric Data (SAROAD) Code. Throughout the four RMDHS programs, the SAROAD codes for CO (42101) and TSP (11101) were changed to those of ammonia (42604) and sulfate (12403). Also, title and page headings were modified as appropriate to reflect the changed pollutants.

Convert Regional Inventory Program[3] Modification

The Convert Regional Inventory Program, a peripheral program of RMDHS, converts EIS/PS and EIS/AS emissions data into the EIS/P&R format required as RMDHS input format. Because NAPAP uses a different set of area sources than NECRMP used, it was necessary to modify the Convert Regional Inventory Program accordingly.

Area sources are those stationary and mobile sources that are too small and/or numerous to record individually. The RMDHS currently has the capacity to handle a total of 60 area source categories. The NAPAP inventory contains data on 54 area source categories, a smaller and different set than were utilized in NECRMP. As a result, the Convert Regional Inventory Program had to be modified to accommodate these new area sources.

Part of the Convert Regional Inventory Program is an internal table which matches the EIS/AS category to an appropriate EIS/P&R area source SCC definition. GCA modified this table, only listing 54 codes for the 54 NAPAP area source categories. These codes are not standard EIS/P&R area source SCC; rather they are GCA-defined "psuedo-SCC," consecutively numbered from 99999901 to 99999954.

Default Temporal Factor Modification

The other change to the RMDHS is a result of the enormous scope of the NAPAP inventory. The emissions data collected for NAPAP spans four time zones. In order to provide a consistent meaning to each of hourly emissions rates produced by RMDHS, some standardization had to take place. For most emissions sources, this was achieved by standardizing the temporal allocation factors in the Temporal Splits File so that the emissions distribution reflected GMT. This standardization process was previously described in Section 2. TPSPLIT, however, does have the capability for generating local time default temporal profiles for those processes (SCCs) that are not assigned allocation factors in the Temporal Splits File. These local time defaults, listed in Table 14, had to be modified to reflect GMT. Figure 8 presents the TPSPLIT source code that generates default temporal factors. All area source processes default to uniform emissions distributions; no modification to this default was needed, of course, because round-the-clock emissions are time zone independent. However, the defaults for point source processes are more complicated.

If a given point source process (SCC) is not assigned a temporal profile in the Temporal Splits File, RMDHS will first default to the EIS/P&R operating data. If the EIS/P&R operating hours are greater than 20, then emissions are assumed to begin at 0000 hours local time (12 a.m.). Since most such processes operate 24 hrs/day, no change to this default was made.

Processes that operate at or less than 20 hrs/day are assumed to start at 0700 (7 a.m.). If the EIS/P&R operating data are absent or incomplete for the process, RMDHS generates a default operating pattern of 52 wks/yr, 5 days/wk, 8 hrs/day beginning at 0700. The same variable, START-HOUR, is used to indicate at what hour each of these point source default patterns is to begin. For each of these cases, the start hour of the emissions was modified from 0700 to the appropriate hour of GMT. For example, Eastern Daylight Savings Time hour 0700 is equivalent to hour 1100 GMT, so the start hour used in RMDHS when processing the Eastern Time Zone sources was 11. The start hours will obviously be different for each of the four time zones.

Because of the changes that have to be made to RMDHS on a time-zone specific basis, and because a different temporal splits file was necessary for each time zone, emissions data were processed through RMDHS in time-zone specific packets. Other manipulations of the EIS/P&R emissions data were also performed in anticipation of RMDHS processing. These are described in detail below.

TABLE 14. RMDHS POINT AND AREA SOURCE DEFAULT OPERATING DATA

Default category	RMDHS default operating schedule
1. Area sources	Use uniform emissions distribution (24 hrs/day, 7 days/wk, 52 wks/yr). Begin operation at 0000 hours.
2. Point sources	
a. EIS/P&R operating data available	Use EIS/P&R schedule and:
i. hrs/day <20	Begin operation at 0700 hours[a]
ii. hrs/day $\geq$20	Begin operation at 0000 hours
b. EIS/P&R data incomplete or absent	Use default schedule of 8 hrs/day, 5 days/wk, 52 wks/yr. Begin operation at 0700 hours[a]

[a] These start hours were modified for each run of RMDHS which used NAPAP inventory data from a different time zone. The start hours used to process data from each time zone are as follows:
1100--Eastern DLS Time Zone data
1200--Central DLS Time Zone data
1300--Mountain DLS Time Zone data
1400--Pacific DLS Time Zone data

Source: Reference 1

```
SEG-592 SECTION 58.

TEMP-SPLIT-DEFAULT-ALGORITHM.
*    FIRST TRY TO COMPUTE SCALER USING SEGMENT 1
*      DEFAULT OPERATING DATA.
      MOVE ZERO TO HOUR-SUB.
      IF DEFAULT-TEMP-SPLIT-DATA NUMERIC
        AND DEFAULT-NORMAL-OPERATING NUMERIC
          COMPUTE SCALER ROUNDED
               = DEFAULT-SEASONS (TEMP-KEY-DAY) * 907184.74
                   / DEFAULT-DAY-WEEK
                 / BINARY-13 / DEFAULT-HOUR-DAY
          MOVE BINARY-1 TO HOUR-SUB
      MOVE BINARY-26 TO COND-CODE
       ADD BINARY-1 TO WARN-CNT
      PERFORM INVALID-DATA-FOUND
      ELSE
*    OTHERWISE, USE UNIFORM-DISTRIBUTION SCALER.
          MOVE BINARY-27 TO COND-CODE
          ADD BINARY-1 TO COND-CNT
          PERFORM INVALID-DATA-FOUND
          IF OLD-PLANT = 0000 OR 9999
*    AREA SOURCE DEFAULT.
              MOVE ZERO TO HOUR-SUB
              MOVE BINARY-24 TO DEFAULT-HOUR-DAY
              COMPUTE SCALER ROUNDED = (DEFAULT-SCALER / 24.0)
                / 7.0
          ELSE
              MOVE BINARY-7 TO HOUR-SUB
              MOVE BINARY-8 TO DEFAULT-HOUR-DAY
              COMPUTE SCALER ROUNDED = (DEFAULT-SCALER / 8.0)
                / 5.0.
*    DEFINE START-HOUR FOR EIS/P&R DEFAULT DATA CASE.
*      IF DEFAULT-SCALER USED, OR EIS/P&R DAY < 20 HOURS,
*      USE 0700 LOCAL TIME AS START-HOUR.
*      OTHERWISE, USE 0000 LOCAL AS START-HOUR.
     IF HOUR-SUB = BINARY-1
         IF DEFAULT-HOUR-DAY NOT < BINARY-20
             MOVE ZERO TO HOUR-SUB
         ELSE
             MOVE BINARY-7 TO HOUR-SUB
     ELSE NEXT SENTENCE.
     PERFORM FILL-THE-HOUR-DEFAULT THRU FILL-THE-HOUR-DEFAULT-END
       DEFAULT-HOUR-DAY TIMES.



TEMP-SPLIT-STANDARD-ALGORITHM.
     COMPUTE SCALER ROUNDED
          = 907184.74 * T-S-REC-SEAS-R * T-S-REC-DAY.
     MOVE ZERO TO HOUR-SUB.
*    CLEAR HOURLY SPLIT VALUES FOR SUMMING TO POINT LEVEL.
     PERFORM FILL-THE-HOUR-STANDARD THRU
       FILL-THE-HOUR-STANDARD-END BINARY-24 TIMES.
```

Figure 8. Temporal splits default algorithms from TPSPLIT.

Source: Reference 1

PREPARATION OF NAPAP EMISSIONS DATA FOR INPUT INTO RMDHS

Engineering-Science (ES) provided the 1980 NAPAP data base to GCA for the generation of Eulerian model input. Development of this inventory is described in an E-S Project Summary-Development of the NAPAP Emission Inventory for the 1980 Base Year: Status Report.[4] However, further modifications of this inventory were necessary to prepare it for input into RMDHS. These modifications primarily serve to accommodate the sulfate and ammonia emissions required by the Eulerian Model, and to lessen the expense of the RMDHS processing through the use of file compression.

Sulfate and Ammonia Emissions

ES developed uncontrolled and controlled emission factors for sulfates and ammonia from reports prepared by Radian[5] and GCA,[6] respectively. Several conventions were adopted by ES in this development effort. Emissions were not generated for process sources in New Jersey since the process operating rates have units that are inconsistent with the SCC and emission factor units. In developing control emission factors, credit was only given for the most effective control device in cases in which more than one existed.

The Radian report Primary Sulfate Emission Factors for the National Acid Precipitation Assessment Program Emissions Inventory (Draft)[5] provided sulfate emission factors for the most important point source categories. The point source factors in the report were used for area source categories where appropriate. ES supplemented the Radian factors for point sources and for the remaining area sources using data in Emissions, Costs and Engineering Assessment Work Group 3B Final Report[7] prepared under the United States-Canada Memorandum of Intent on Transboundary Air Pollution. ES made use of information in the Radian report to generate removal efficiencies for control devices expected to reduce sulfate emissions. The control efficiencies applied are shown in Table 15. ES coded the emission factor and control data and updated the NAPAP masterfile to generate sulfate emissions.

The GCA report Assessment of Ammonia, Hydrogen Chloride, Hydrogen Fluoride Emission Factors for the NAPAP Emission Inventory (Draft Final)[6] provided ammonia emission factors for both point and area sources. The report only contained state-level area source data, and GCA later generated a county-level inventory using county farm acreage statistics. ES added an area source emission factor for coal combustion. Information in the report, later supplemented by GCA, was used to generate removal efficiencies for control devices expected to reduce ammonia emissions. The control efficiencies applied are shown in Table 16. ES updated the NAPAP emission factor files with these data and subsequently generated ammonia emissions data in the EIS/AS files.

A summary of the sulfate and ammonia emissions developed by ES for NAPAP is presented in Tables 17 and 18.

TABLE 15. ASSUMED SULFATE CONTROL EFFICIENCIES[a]

Control equipment code	Removal efficiency (%)
001, 002, 003, 053 (wet scrubbers)	20.0
010, 011, 012 (ESPs)	20.0
016, 017, 018 (fabric filters)	30.0
034-040 and 067-071 (FGD)	35.0

Source: Reference 8

[a] For control devices in series, credit was given for the most efficient device only. Removal efficiencies for all other control devices assumed to be zero.

[b] Particulate or SO_2 removal efficiencies were applied for kraft pulp mills, sulfite mills, cement kilns, and gypsum plants as specified in Radian report.

TABLE 16. ASSUMED AMMONIA CONTROL EFFICIENCIES[a]

Control equipment code	Removal efficiency (%)
001, 002, 003, 053 (wet scrubbers) (for coal combustion only)	3[illegible].0
019, 020, 021, 022, 023 (afterburners)	99.9
034-040 and 067-071 (FGD)	90.0

Source: Reference 8

[a] For control devices in series, credit was given for the most efficient device only. Removal efficiencies for all other control devices assumed to be zero.

TABLE 17. NATIONAL SUMMARY OF SULFATE AND AMMONIA EMISSIONS BY STATE (10^3 tons/yr)

State	Sulfate			Ammonia		
	Point	Area	Total	Point	Area	Total
Alabama	33	3	36	22	145	167
Arizona	30	2	32	15	32	47
Arkansas	9	2	11	31	181	212
California	26	9	35	5	116	121
Colorado	8	1	9	15	55	70
Connecticut	4	3	7	Neg.	32	32
Delaware	2	2	4	1	37	38
District of Columbia	1	Neg.	1	Neg.	Neg.	Neg.
Florida	26	4	30	30	67	97
Georgia	29	2	31	42	171	213
Idaho	8	1	9	Neg.	38	38
Illinois	37	4	41	72	88	160
Indiana	31	6	37	48	64	112
Iowa	11	1	12	31	206	237
Kansas	7	1	8	10	124	134
Kentucky	20	3	23	26	60	86
Louisiana	18	10	28	23	48	71
Maine	7	3	10	Neg.	1	1
Maryland	7	2	9	6	52	58
Massachusetts	7	6	13	1	Neg.	1
Michigan	28	3	31	26	41	67
Minnesota	13	2	15	26	123	149
Mississippi	7	4	11	3	95	98
Missouri	17	4	21	23	121	144
Montana	7	1	8	3	47	50
Nebraska	5	1	6	6	138	144

(continued)

TABLE 17 (continued)

State	Sulfate			Ammonia		
	Point	Area	Total	Point	Area	Total
Nevada	6	Neg.	6	3	10	13
New Hampshire	3	1	4	1	Neg.	1
New Jersey	6	10	16	3	Neg.	3
New Mexico	7	1	8	6	29	35
New York	25	11	36	9	62	71
North Carolina	25	4	29	32	122	154
North Dakota	15	1	16	13	41	54
Ohio	44	3	47	58	58	116
Oklahoma	8	1	9	8	115	123
Oregon	15	3	18	1	35	36
Pennsylvania	47	7	54	52	88	140
Rhode Island	1	1	2	Neg.	Neg.	Neg.
South Carolina	16	2	18	10	26	36
South Dakota	3	Neg.	3	3	82	85
Tennessee	25	2	27	31	65	96
Texas	53	11	64	58	294	352
Utah	8	1	9	3	18	21
Vermont	Neg.	1	1	Neg.	Neg.	Neg.
Virginia	15	5	20	12	63	75
Washington	15	4	19	15	40	55
West Virginia	23	1	24	29	5	34
Wisconsin	18	2	20	15	145	160
Wyoming	18	1	19	19	24	43
Totals	794	153	947	846	3404	4250

Source: Reference 8

TABLE 18. NATIONAL SUMMARY OF SULFATE AND AMMONIA EMISSIONS BY SOURCE CATEGORY (10^3 tons/yr)

Category	Emissions	
	Sulfate	Ammonia
Point Source		
Electric Utility Boilers	448	561
Industrial Boilers	172	63
Commercial/Institutional Boilers	25	3
Industrial Processes	149	219
Other	Neg.	0
Total	794	846
Area Source		
Stationary Fuel Combustion	118	16
Mobile Fuel Combustion	35	0
Field Application of Manure	0	3311
Anhydrous Ammonia Fertilizer Application	0	53
Beef Cattle Feedlots	0	24
Other	Neg.	0
Total	153	3404
Grand Total	947	4250

Source: Reference 8

File Compression

The NAPAP Emission Inventory masterfile contains data on over 200,000 sources. Because the enormous size of this data base and the expense of running the RMDHS, processing all of the inventory data would be extremely expensive. In order to keep data processing costs within reason, ES compressed the NAPAP point source masterfile to a lesser number of sources.

ES previously analyzed the NAPAP point source masterfile to determine how many emission points would be required to represent 90 percent or more of total SO_x, NO_x, and VOC emissions. It was discovered that with an emission cutoff of 100 tons/yr for SO_x and NO_x and 50 tons/yr for VOC, 98.1 percent of SO_x, 94.5 percent of NO_x, and 89.9 percent of VOC would be represented. It was decided to use these cutoffs for the file compression and also include all ammonia emission points. Sulfate emissions were included for all emission points selected. Sulfate emissions in the compressed file represent 91.2 percent of total point source sulfate emissions.

The compressed file of major point sources contains 25,298 emission points compared to about 201,000 in the entire masterfile. The remaining point sources were combined by county and included as a separate area source category.

Additional Input Data Modifications

ES performed some additional data processing activities to facilitate the use of NAPAP data in RMDHS. These included:

- Addition of latitude/longitude and/or UTM coordinates for all emission points in the masterfile such that both UTMs and lat/long are present.
- Elimination of TSP and CO data from the point and area source masterfile.
- Elimination of industrial fuel-coke, industrial fuel-process gas, vessels-coal, unpaved road travel, and unpaved airstrip LTOs from the area source masterfile. This was necessary due to RMDHS limitations on the number of area source categories allowed.
- Restructuring the area source masterfile to occupy the first 54 available locations.
- Disaggregating the nationwide NAPAP masterfiles into four smaller files based on time zone boundaries.

RMDHS PROCESSING OF NAPAP DATA

Emissions data was provided by ES in a total of eight files: four time zones specific files each for point sources and area sources. Each of these files was run through the entire system of RMDHS programs, in accordance with the methodology put forth in the RMDHS User's Guide.[1] Although some systems problems, primarily due to the enormous size of the NAPAP data base, occurred during processing, these were overcome. Processing of the data through RMDHS is now complete. The census-based spatial allocation factors, described in Section 3, were not completed in time for inclusion in Version 4.2 of the NAPAP Inventory. Thus, Urban Land, from the Landsat-based allocation factors was substituted for the Population and Housing surrogates, as appropriate. The census-based factors have since been completed and will be utilized in subsequent versions.

The output of RMDHS to be used for input to an Eulerian model consists of a major source emissions file and associated point source pocket, a minor source gridded emissions file and an area source grid values file. These three files were output for each of the four time zone specific areas in the NAPAP study scope. As a result, some merges of the output data were necessary.

The minor point source emissions file and the area source grid values file provide emissions totals for each grid cell. However, because the NAPAP data was run in time zone specific pieces, often some of the grids in one time zone specific file were duplicated in another. For example, the western-most grid cells of the Eastern Time Zone minor point source emissions file are also the eastern-most grid cells of the Central Time Zone minor point source emissions file. Thus, when merging all time zone specific files of the minor point source emissions file together, these duplicate grid cells were merged. This same procedure was performed for the merging of the four time zone specific area source grid values files.

REFERENCES

1. Paddock, R. E., S. K. Burt, R. C. Haws. The Regional Model Data Handling System (RMDHS) User's Guide. The Research Triangle Institute for the U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. September 1981.

2. Sellars, F. M. Allocation Factors and Algorithms for the National Acid Precipitation Assessment Program Emissions Inventory: Technical Memorandum. GCA Technology Division for the U.S. Environmental Protection Agency (Contract No. 68-02-3168, Task No. 90). October 1983.

3. Rorex, Herschel. Convert Regional Inventory Program. U.S. Environmental Protection Agency, Monitoring and Data Analysis Division. Research Triangle Park, NC. June 1983.

4. Project Summary-Development of the NAPAP Emission Inventory for the 1980 Base Year: Status Report. Engineering Science for the U.S. Environmental Protection Agency.

5. Primary Sulfate Emission Factors for the National Acid Precipitation Assessment Program Emissions Inventory (Draft). Radian Corporation for the U.S. Environmental Protection Agency.

6. Assessment of Ammonia, Hydrogen Chloride, Hydrogen Fluoride Emission Factors for the NAPAP Emission Inventory (Draft Final). GCA/Technology Division for the U.S. Environmental Protection Agency. February 1984.

7. Emissions, Costs, and Engineering Assessment Work Group 3B (Final Report). Prepared under the U.S.-Canada Memorandum of Intent on Transboundary Air Pollution.

8. Toothman, Douglas A. Engineering Science. Memorandum to F. M. Sellars, GCA/Technology Division, September 18, 1984.

APPENDIX A

NAPAP TEMPORAL ALLOCATION FACTORS

Tables A-1 through A-5 present temporal allocation factors developed for area sources in the Eastern, Central, Mountain, and Pacific Time Zones, and for point sources in the Eastern Time Zone. The profiles represent seasonal, daily, and hourly emissions distributions for a typical summer weekday. The hourly factors in each time zone have been altered to reflect Greenwich Mean Time (GMT).

TABLE A-1. AREA SOURCE TEMPORAL ALLOCATION FACTORS FOR THE EASTERN TIME ZONE

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
		99999906	1	150	0128	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999907	1	150	0128	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999908	1	150	0128	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999909	1	150	0128	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999910	1	150	0128	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999911	1	150	0128	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999912	1	025	0128	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033	033
		99999913	1	025	0128	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033	033
		99999914	1	025	0128	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033	033
		99999915	1	025	0128	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033	033
		99999916	1	025	0128	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033	033
		99999917	1	025	0128	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033	033
		99999918	1	250	0140	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000	000	000
		99999919	1	250	0140	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000	000	000
		99999920	1	250	0140	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000	000	000
		99999921	1	250	0110	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067	056	066
		99999922	1	250	0110	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067	056	066
		99999923	1	250	0110	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067	056	066
		99999924	1	250	0110	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	031	053	043
		99999925	1	250	0110	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	031	053	043
		99999926	1	250	0110	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081	053	043
		99999927	1	250	0110	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081	053	043
		99999928	1	250	0110	011	008	006	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	063	094	065	030	016
		99999929	1	250	0110	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	065	030	016
		99999931	1	250	0110	011	008	006	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	065	030	016
		99999932	1	250	0110	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	065	030	016
		99999934	1	025	0110	023	023	023	023	023	023	023	023	023	023	064	064	064	064	064	064	064	064	064	064	064	023	023	023
		99999935	1	250	0110	038	037	037	037	037	037	037	038	038	038	038	038	046	046	046	046	046	046	046	046	046	046	045	045
		99999936	1	250	0110	066	000	000	000	000	000	000	000	000	000	066	066	067	067	067	067	067	067	067	067	067	067	056	066
		99999937	1	260	0110	050	050	050	050	020	020	010	010	020	020	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999938	1	250	0110	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058	057	057	023
		99999939	1	250	0110	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058	057	057	023
		99999941	1	256	0119	014	014	014	013	087	090	050	050	090	032	060	068	069	069	069	069	069	069	068	068	068	057	040	026
		99999942	1	250	0119	024	022	020	020	020	020	012	005	005	038	045	055	057	054	055	058	058	058	059	064	067	067	057	059
		99999943	1	500	0110	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042	042	042	042
		99999944	1	000	0110	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067	066	056	000
		99999945	1	000	0110	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067	066	056	000
		99999946	1	250	0110	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042	042	042	042
		99999947	1	250	0110	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042	042
		99999948	1	250	0110	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042	042
		99999949	1	250	0110	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042	042
		99999950	1	250	0110	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042	042
		99999951	1	250	0110	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042	042
		99999952	1	840	0110	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042	042
		99999953	1	250	0110	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042	042
		99999954	1	650	0150	000	000	000	000	000	000	000	000	000	000	000	000	111	111	111	111	111	111	111	111	111	000	000	000
07		99999901	1	010	0110	000	009	009	009	037	037	037	278	278	278	009	009	009	000	000	000	000	000	000	000	000	000	000	000
07		99999902	1	010	0110	000	009	009	009	037	037	037	278	278	278	009	009	009	000	000	000	000	000	000	000	000	000	000	000
07		99999903	1	010	0110	000	009	009	009	037	037	037	278	278	278	009	009	009	000	000	000	000	000	000	000	000	000	000	000
07		99999904	1	010	0110	000	009	009	009	037	037	037	278	278	278	009	009	009	000	000	000	000	000	000	000	000	000	000	000
07		99999905	1	010	0110	000	009	009	009	037	037	037	278	278	278	009	009	009	000	000	000	000	000	000	000	000	000	000	000
07		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
07		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
07		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
07		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
07		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
07		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
07		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
07		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
07		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
07		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
07		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
07		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
07		99999930	1	230	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
07		99999933	1	230	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
07		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
07		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	034	084	083	083	033	000
08		99999901	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	000
08		99999902	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
08		99999903	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
08		99999904	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
08		99999905	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
08		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
08		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
08		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
08		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
08		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
08		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
08		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	045	043	043	043
08		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
08		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
08		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
08		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
08		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
08		99999930	1	320	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
08		99999933	1	320	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
08		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
08		99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	034	084	083	083	033	000
09		99999901	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
09		99999902	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
09		99999903	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
09		99999904	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
09		99999905	1	010	0110	028	028	028	028	065	065	065	102	102	102	028	028	028	028	028	028	028	028	028	028	028	028	028	028
09		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
09		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
09		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
09		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
09		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
09		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
09		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
09		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
09		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
09		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
09		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
09		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
09		99999930	1	330	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
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09		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
09		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	033	000
10		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10		99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
10		99999933	1	275	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
10		99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	033	000
11		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
11		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
11		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
11		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
11		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
11		99999930	1	341	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
11		99999933	1	341	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
11		99999940	1	273	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	033	000
18		99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18		99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18		99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18		99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18		99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18		99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
18		99999933	1	343	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
18		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	033	000
20		99999901	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
20		99999902	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
20		99999903	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
20		99999904	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
20		99999905	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
20		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
20		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
20		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
20		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
20		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
20		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
20		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
20		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
20		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
20		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
20		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
20		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
20		99999930	1	420	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
20		99999933	1	420	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
20		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
20		99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	033	000
21		99999901	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
21		99999902	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
21		99999903	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
21		99999904	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
21		99999905	1	040	0110	013	047	047	047	096	096	096	143	143	143	023	023	023	004	004	004	002	002	002	004	004	004	013	013
21		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
21		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
21		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043

TABLE A-1 (continued)

ST	CATY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
21		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
21		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
21		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
21		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
21		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
21		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
21		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
21		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
21		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
21		99999930	1	330	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
21		99999933	1	330	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
21		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
21		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
22		99999901	1	020	0110	007	039	039	039	096	096	096	174	174	174	017	017	017	000	000	000	000	000	000	000	000	000	007	007
22		99999902	1	020	0110	007	039	039	039	096	096	096	174	174	174	017	017	017	000	000	000	000	000	000	000	000	000	007	007
22		99999903	1	020	0110	007	039	039	039	096	096	096	174	174	174	017	017	017	000	000	000	000	000	000	000	000	000	007	007
22		99999904	1	020	0110	007	039	039	039	096	096	096	174	174	174	017	017	017	000	000	000	000	000	000	000	000	000	007	007
22		99999905	1	020	0110	007	039	039	039	096	096	096	174	174	174	017	017	017	000	000	000	000	000	000	000	000	000	007	007
22		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
22		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
22		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
22		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
22		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
22		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
22		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
22		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
22		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
22		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
22		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
22		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
22		99999930	1	340	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
22		99999933	1	340	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
22		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
22		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	034	034	083	083	033	000
23		99999901	1	240	0110	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000	000
23		99999902	1	240	0110	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000	000
23		99999903	1	240	0110	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000	000
23		99999904	1	240	0110	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000	000
23		99999905	1	240	0110	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000	000
23		99999930	1	318	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
23		99999933	1	318	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
23		99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
30		99999901	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
30		99999902	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
30		99999903	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
30		99999904	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
30		99999905	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
30		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
30		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
30		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
30		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
30		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
30		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
30		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
30		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
30		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
30		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
30		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
30		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
30		99999930	1	350	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
30		99999933	1	350	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
30		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
30		99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
31		99999901	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
31		99999902	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
31		99999903	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
31		99999904	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
31		99999905	1	030	0110	000	028	028	028	102	102	102	168	168	168	036	036	036	000	000	000	000	000	000	000	000	000	000	000
31		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
31		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
31		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
31		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
31		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
31		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
31		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
31		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
31		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
31		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
31		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
31		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
31		99999930	1	360	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
31		99999933	1	360	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
31		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
31		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
33		99999901	1	030	0110	000	016	016	016	063	063	063	222	222	222	032	032	032	000	000	000	000	000	000	000	000	000	000	000
33		99999902	1	030	0110	000	016	016	016	063	063	063	222	222	222	032	032	032	000	000	000	000	000	000	000	000	000	000	000
33		99999903	1	030	0110	000	016	016	016	063	063	063	222	222	222	032	032	032	000	000	000	000	000	000	000	000	000	000	000
33		99999904	1	030	0110	000	016	016	016	063	063	063	222	222	222	032	032	032	000	000	000	000	000	000	000	000	000	000	000
33		99999905	1	030	0110	000	016	016	016	063	063	063	222	222	222	032	032	032	000	000	000	000	000	000	000	000	000	000	000
33		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
33		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
33		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
33		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
33		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
33		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
33		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
33		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
33		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
33		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
33		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
33		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
33		99999930	1	330	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
33		99999933	1	330	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
33		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
33		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
34		99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
34		99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
34		99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
34		99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
34		99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
34		99999930	1	336	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
34		99999933	1	336	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
34		99999940	1	333	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
36		99999901	1	020	0110	028	028	028	028	048	048	048	088	088	088	058	058	058	028	028	028	028	028	028	028	028	028	028	028
36		99999902	1	020	0110	028	028	028	028	048	048	048	088	088	088	058	058	058	028	028	028	028	028	028	028	028	028	028	028
36		99999903	1	020	0110	028	028	028	028	048	048	048	088	088	088	058	058	058	028	028	028	028	028	028	028	028	028	028	028
36		99999904	1	020	0110	028	028	028	028	048	048	048	088	088	088	058	058	058	028	028	028	028	028	028	028	028	028	028	028
36		99999905	1	020	0110	028	028	028	028	048	048	048	088	088	088	058	058	058	028	028	028	028	028	028	028	028	028	028	028
36		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
36		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
36		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
36		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
36		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
36		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
36		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
36		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
36		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
36		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
36		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
36		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
36		99999930	1	330	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
36		99999933	1	330	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
36		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
36		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
39		99999901	1	010	0110	028	028	028	028	056	056	056	097	097	097	042	042	042	028	028	028	028	028	028	028	028	028	028	028
39		99999902	1	010	0110	028	028	028	028	056	056	056	097	097	097	042	042	042	028	028	028	028	028	028	028	028	028	028	028
39		99999903	1	010	0110	028	028	028	028	056	056	056	097	097	097	042	042	042	028	028	028	028	028	028	028	028	028	028	028
39		99999904	1	010	0110	028	028	028	028	056	056	056	097	097	097	042	042	042	028	028	028	028	028	028	028	028	028	028	028
39		99999905	1	010	0110	028	028	028	028	056	056	056	097	097	097	042	042	042	028	028	028	028	028	028	028	028	028	028	028
39		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
39		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
39		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
39		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
39		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	055	055	055	045	043	043	043
39		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
39		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
39		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
39		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
39		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
39		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
39		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
39		99999930	1	360	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
39		99999933	1	360	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
39		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
39		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
41		99999901	1	010	0110	028	037	037	037	065	065	065	083	083	083	037	037	037	028	028	028	028	028	028	028	028	028	028	028
41		99999902	1	010	0110	028	037	037	037	065	065	065	083	083	083	037	037	037	028	028	028	028	028	028	028	028	028	028	028
41		99999903	1	010	0110	028	037	037	037	065	065	065	083	083	083	037	037	037	028	028	028	028	028	028	028	028	028	028	028
41		99999904	1	010	0110	028	037	037	037	065	065	065	083	083	083	037	037	037	028	028	028	028	028	028	028	028	028	028	028
41		99999905	1	010	0110	028	037	037	037	065	065	065	083	083	083	037	037	037	028	028	028	028	028	028	028	028	028	028	028
41		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
41		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
41		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
41		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
41		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
41		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
41		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
41		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
41		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
41		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
41		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
41		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
41		99999930	1	390	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
41		99999933	1	390	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
41		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	056	056	056	058	059	059	059	059	058	058	058	058	025	025
41		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
42		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
42		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
42		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
42		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
42		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
42		99999930	1	307	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
42		99999933	1	307	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
42		99999940	1	273	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	0040	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	0040	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	0040	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	0040	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	0180	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	0220	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	0220	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
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44	0300	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	0300	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	0300	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
44	0360	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	0360	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	0360	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	0360	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	0360	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	0360	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	0360	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	0360	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	0440	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	0440	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	0540	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	0540	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	0540	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	0540	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1180	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1180	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	1180	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1180	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1180	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1180	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1200	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1200	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1200	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1200	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1200	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1200	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1200	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1200	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1260	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1260	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1260	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1260	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1260	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1260	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1260	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1260	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1280	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	1280	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1280	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1280	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1280	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
										000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1280	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1280	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1300	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1300	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1300	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1300	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1300	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1300	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1300	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1300	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	1380	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1380	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1380	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1380	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1380	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1380	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1380	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1620	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1620	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1620	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1620	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1620	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1620	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1620	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1620	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	1640	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1640	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1640	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1640	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	1660	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1660	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1660	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1660	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1660	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1680	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1680	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1680	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1680	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1680	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1680	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1680	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	1680	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1720	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1720	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1720	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1720	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
44	1720	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	1720	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	1720	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	1720	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	2000	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2000	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2000	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2000	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2000	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2000	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	2000	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	2000	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	2080	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2080	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2080	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2080	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	2080	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	2080	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	2080	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	2320	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2320	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	2320	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2320	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	2320	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	2320	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	2400	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2400	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2400	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	2400	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	2400	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	2400	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	2740	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2740	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2740	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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44	2740	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2740	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	2740	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	2740	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	2840	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2840	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2840	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2840	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2840	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2840	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	2840	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	2840	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	2880	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2880	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
44	2880	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2880	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2880	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	2880	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	2880	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	2880	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	3040	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3040	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3040	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3040	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3040	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3040	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	3040	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	3040	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	3300	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3300	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3300	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3300	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3300	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3300	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	3300	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	3300	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	3310	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3310	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3310	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3310	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3310	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3310	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	3310	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	3310	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	3460	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3460	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3460	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3460	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3460	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3460	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	3460	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	3460	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	3480	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3480	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3480	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3480	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3480	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3480	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	3480	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	3480	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
44	3500	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3500	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3500	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3500	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3500	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3500	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	3500	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	3500	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
44	3560	99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3560	99999902	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3560	99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3560	99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3560	99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44	3560	99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
44	3560	99999933	1	369	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
44	3560	99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
47		99999901	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
47		99999902	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
47		99999903	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
47		99999904	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
47		99999905	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
47		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
47		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
47		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
47		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
47		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
47		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
47		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
47		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
47		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
47		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
47		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
47		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
47		99999930	1	420	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
47		99999933	1	420	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
47		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
47		99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
48		99999901	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
48		99999902	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
48		99999903	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
48		99999904	1	020	0110	000	120	120	120	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
48		99999905	1	020	0110	000	012	012	012	096	096	096	182	182	182	043	043	043	000	000	000	000	000	000	000	000	000	000	000
48		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
48		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
48		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
48		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
48		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
48		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
48		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
48		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
48		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
48		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
48		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
48		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
48		99999930	1	320	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
48		99999933	1	320	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
48		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
48		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000
50		99999901	1	020	0110	028	028	028	028	050	050	050	072	072	072	072	072	072	028	028	028	028	028	028	028	028	028	028	028
50		99999902	1	020	0110	028	028	028	028	050	050	050	072	072	072	072	072	072	028	028	028	028	028	028	028	028	028	028	028
50		99999903	1	020	0110	028	028	028	028	050	050	050	072	072	072	072	072	072	028	028	028	028	028	028	028	028	028	028	028
50		99999904	1	020	0110	028	028	028	028	050	050	050	072	072	072	072	072	072	028	028	028	028	028	028	028	028	028	028	028

TABLE A-1 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
50		99999905	1	020	0110	028	028	028	028	050	050	050	072	072	072	072	072	072	026	028	028	028	028	028	028	028	028	028	028
50		99999906	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
50		99999907	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
50		99999908	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
50		99999909	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
50		99999910	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
50		99999911	1	150	0128	043	043	040	025	025	025	025	025	025	025	025	055	055	056	056	056	056	056	055	055	045	043	043	043
50		99999912	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
50		99999913	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
50		99999914	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
50		99999915	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
50		99999916	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
50		99999917	1	250	0128	033	033	033	033	033	033	033	033	033	034	034	055	055	056	056	056	056	056	055	055	034	034	034	033
50		99999930	1	300	0110	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070	000
50		99999933	1	300	0110	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078	010
50		99999934	1	250	0122	025	025	025	025	025	025	025	025	025	025	058	058	058	058	059	059	059	059	058	058	058	058	025	025
50		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083	000

TYPING GUIDE SHEET
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DROPPED HEAD BEGIN HERE
BEGIN LAST LINE OF TEXT

TABLE A-2. AREA SOURCE TEMPORAL ALLOCATION FACTORS FOR THE CENTRAL TIME ZONE

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
		99999906	1	150	0128	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999907	1	150	0128	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999908	1	150	0128	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999909	1	150	0128	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999910	1	150	0128	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999911	1	150	0128	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999912	1	025	0126	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033
		99999913	1	025	0128	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033
		99999914	1	025	0128	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033
		99999915	1	025	0128	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033
		99999916	1	025	0126	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033
		99999917	1	025	0126	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033	033
		99999918	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000	000
		99999919	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000	000
		99999920	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000	000
		99999921	1	250	0110	066	000	000	000	000	000	000	000	000	000	066	066	066	067	057	067	057	067	067	067	067	057	067	066
		99999922	1	250	0110	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	057	067	067	067	057	066
		99999923	1	250	0110	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	057	067	057	067	067	057	067	065
		99999924	1	250	0110	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081	053
		99999925	1	250	0110	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081	053
		99999926	1	250	0110	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	046	055	069	091	081	053
		99999927	1	250	0110	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	031	053
		99999928	1	250	0110	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	060	083	094	065	030
		99999929	1	250	0110	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	060	083	094	055	030
		99999931	1	250	0110	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	055	030
		99999932	1	250	0110	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	055	030
		99999934	1	025	0110	023	023	023	023	023	023	023	023	023	023	023	064	064	064	064	064	064	064	054	064	064	064	023	023
		99999935	1	250	0110	045	038	037	037	037	037	037	037	038	038	038	038	038	046	046	046	046	046	046	046	046	046	046	045
		99999936	1	250	0110	066	066	000	000	000	000	000	000	000	000	000	066	066	067	067	067	067	067	067	067	067	067	067	066
		99999937	1	260	0110	050	050	050	050	050	020	020	010	010	020	020	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999938	1	250	0110	023	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058	057	057
		99999939	1	250	0110	023	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058	057	057
		99999941	1	256	0119	026	014	014	014	013	087	090	090	090	090	032	060	068	069	069	069	069	069	069	068	068	068	057	040
		99999942	1	250	0119	059	024	022	020	020	020	020	012	005	005	038	045	055	057	054	055	058	058	058	059	064	067	067	057
		99999943	1	500	0110	042	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042	042	042
		99999944	1	000	0110	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067	066	066
		99999945	1	000	0110	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	057	067	067	067	056	066
		99999946	1	250	0110	042	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042	042	042
		99999947	1	250	0110	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042
		99999948	1	250	0110	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042
		99999949	1	250	0110	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042
		99999950	1	250	0110	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042
		99999951	1	250	0110	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042
		99999952	1	840	0110	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042
		99999953	1	250	0110	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042	042
		99999954	1	650	0150	000	000	000	000	000	000	000	000	000	000	000	000	000	111	111	111	111	111	111	111	111	111	000	000
01		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
01		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
01		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
01		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
01		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
01		99999930	1	327	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	067	087	087	087	087	037	070
01		99999933	1	327	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
01		99999940	1	273	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
04		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
04		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
04		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
04		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
04		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
04		99999930	1	363	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
04		99999933	1	363	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
04		99999940	1	333	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	0200	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0200	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0200	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0200	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0200	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0200	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	0200	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	0200	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	0215	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0215	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0215	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0215	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0215	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0215	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	0215	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	0215	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	0220	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0220	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0220	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0220	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0220	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0220	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	0220	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	0220	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	0460	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0460	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0460	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0460	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0460	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	0460	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	0460	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	0460	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	1160	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1160	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1160	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1160	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1160	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1160	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	1160	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	1160	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	1580	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1580	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1580	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1580	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1580	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1580	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
10	1580	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	1580	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	1585	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1585	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1585	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1585	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1585	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1585	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	1585	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	1585	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	1590	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1590	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1590	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1590	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1590	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1590	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	1590	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	1590	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	1860	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1860	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1860	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1860	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1860	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1860	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	1860	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	1860	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	1865	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1865	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1865	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1865	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1865	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1865	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	1865	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	1865	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	1940	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1940	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1940	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1940	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1940	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	1940	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	1940	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	1940	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	3160	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	3160	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	3160	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	3160	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	3160	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	3160	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	3160	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	3160	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	4060	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4060	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4060	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4060	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
10	4060	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4060	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	4060	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	4060	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	4640	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4640	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4640	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4640	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4640	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4640	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	4640	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	4640	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	4680	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4680	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4680	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4680	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4680	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4680	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	4680	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	4680	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
10	4685	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4685	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4685	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4685	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4685	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
10	4685	99999930	1	275	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
10	4685	99999933	1	275	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
10	4685	99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
14		99999901	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
14		99999902	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
14		99999903	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
14		99999904	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
14		99999905	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
14		99999930	1	331	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
14		99999933	1	331	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
14		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
15		99999901	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
15		99999902	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
15		99999903	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
15		99999904	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
15		99999905	1	110	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
15		99999930	1	331	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
15		99999933	1	331	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
15		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
16		99999901	1	009	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
16		99999902	1	009	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
16		99999903	1	009	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
16		99999904	1	009	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
16		99999905	1	009	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
16		99999930	1	386	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
16		99999933	1	386	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
16		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
17		99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17		99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
17		99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17		99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17		99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17		99999930	1	364	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
17		99999933	1	364	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
17		99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0020	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0020	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0020	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0020	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0020	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0020	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0020	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0020	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0040	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0040	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0040	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0040	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0040	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0040	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0040	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0040	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0100	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0100	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0100	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0100	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0100	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0100	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0100	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0100	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0160	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0160	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	0160	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0160	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0160	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0160	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0160	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0410	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0410	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	0410	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0410	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0410	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0410	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0410	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0420	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0420	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0420	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0420	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0420	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0420	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0420	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0420	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
18	0460	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0460	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0460	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0460	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0460	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0460	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0460	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0460	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0480	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0480	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0480	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0480	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0480	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0480	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0480	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0480	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0500	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	0500	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0500	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0500	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0500	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0500	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0500	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0560	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	0560	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0560	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0560	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0560	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0560	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0560	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0700	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	0700	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0700	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0700	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0700	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0760	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0760	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0760	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0760	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0760	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0760	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0760	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0760	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0820	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0820	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	0820	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
18	0820	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0820	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0840	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0840	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0840	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0840	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0840	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0840	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0840	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0840	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0860	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0860	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	0860	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0860	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0860	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	0920	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	0920	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0920	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0920	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0920	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0920	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	0920	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	0920	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1020	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1020	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1020	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1020	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1020	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1020	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1020	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1020	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1340	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1340	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1340	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1340	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1340	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1340	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1340	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1340	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1360	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1360	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1360	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1360	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1360	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1360	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1360	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1360	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1480	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1480	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1480	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1480	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
18	1480	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1480	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1480	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1480	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1490	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1490	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1490	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1490	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1490	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1490	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1490	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1490	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1520	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1520	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1520	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1520	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1520	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	1520	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1520	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1580	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1580	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1580	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1580	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1580	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1580	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1580	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1580	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1600	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1600	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1600	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1600	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1600	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1600	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1600	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1600	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1700	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	1700	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	1700	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1700	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1700	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1740	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1740	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1740	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1740	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1740	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1740	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1740	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1740	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1760	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1760	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
18	1760	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1760	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1760	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1760	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1760	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1760	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1790	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1790	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1790	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1790	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1790	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1790	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1790	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1790	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1800	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1800	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1800	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1800	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1800	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	1800	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1800	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	1840	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1840	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	1840	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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18	1840	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	1840	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	1840	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2320	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2320	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2320	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2320	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2320	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2320	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2320	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2320	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2340	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2340	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2340	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2340	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2340	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2340	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2340	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2340	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2440	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2440	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2440	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2440	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2440	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2440	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2440	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2440	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
18	2460	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2460	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2460	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2460	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2460	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2460	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2460	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2460	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2500	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2500	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2500	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2500	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2500	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2500	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2500	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2500	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2600	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2600	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2600	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2600	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2600	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2600	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2600	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2600	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2700	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2700	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2700	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2700	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2700	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2700	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2700	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2700	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2760	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2760	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2760	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2760	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2760	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2760	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2760	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2760	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2840	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2840	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2840	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2840	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2840	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2840	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	2840	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2840	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	2960	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2960	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2960	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2960	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2960	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	2960	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
18	2960	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	2960	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	3080	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3080	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3080	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3080	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3080	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3080	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	3080	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	3080	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	3570	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3570	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3570	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3570	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3570	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3570	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	3570	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	3570	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	3740	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3740	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3740	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3740	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3740	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3740	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	3740	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	3740	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	3840	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3840	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3840	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3840	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3840	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3840	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	3840	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	3840	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	3860	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3860	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3860	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3860	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3860	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3860	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	3860	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	3860	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	3900	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3900	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3900	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3900	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3900	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3900	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	3900	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	3900	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	3960	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3960	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3960	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3960	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
18	3960	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	3960	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	3960	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	3960	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
18	4020	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	4020	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	4020	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	4020	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	4020	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
18	4020	99999930	1	343	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
18	4020	99999933	1	343	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
18	4020	99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
19		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
19		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
19		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
19		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
19		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
19		99999930	1	312	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
19		99999933	1	312	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
19		99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
23	1200	99999901	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1200	99999902	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1200	99999903	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1200	99999904	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1200	99999905	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1200	99999930	1	318	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
23	1200	99999933	1	318	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
23	1200	99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
23	1760	99999901	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1760	99999902	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1760	99999903	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1760	99999904	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1760	99999905	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	1760	99999930	1	318	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
23	1760	99999933	1	318	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
23	1760	99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
23	2460	99999901	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2460	99999902	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2460	99999903	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2460	99999904	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2460	99999905	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2460	99999930	1	318	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
23	2460	99999933	1	318	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
23	2460	99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
23	2480	99999901	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2480	99999902	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2480	99999903	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2480	99999904	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2480	99999905	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2480	99999930	1	318	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
23	2480	99999933	1	318	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
23	2480	99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
23	2500	99999901	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2500	99999902	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
23	2500	99999903	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2500	99999904	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2500	99999905	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	2500	99999930	1	318	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	067	087	087	087	087	087	087	087	070
23	2500	99999933	1	318	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
23	2500	99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	063	063	063	083	084	084	084	084	083	083	083
23	3420	99999901	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	3420	99999902	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	3420	99999903	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	3420	99999904	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	3420	99999905	1	240	0110	000	000	000	000	000	067	067	067	200	200	200	067	067	067	000	000	000	000	000	000	000	000	000	000
23	3420	99999930	1	318	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	067	087	087	087	070
23	3420	99999933	1	318	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
23	3420	99999940	1	600	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
24		99999901	1	220	0110	000	000	000	000	000	067	067	067	133	133	133	133	133	133	000	000	000	000	000	000	000	000	000	000
24		99999902	1	220	0110	000	000	000	000	000	067	067	067	133	133	133	133	133	133	000	000	000	000	000	000	000	000	000	000
24		99999903	1	220	0110	000	000	000	000	000	067	067	067	133	133	133	133	133	133	000	000	000	000	000	000	000	000	000	000
24		99999904	1	220	0110	000	000	000	000	000	067	067	067	133	133	133	133	133	133	000	000	000	000	000	000	000	000	000	000
24		99999905	1	220	0110	000	000	000	000	000	067	067	067	133	133	133	133	133	133	000	000	000	000	000	000	000	000	000	000
24		99999930	1	360	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
24		99999933	1	360	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
24		99999940	1	500	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
25		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
25		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
25		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
25		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
25		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
25		99999930	1	329	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
25		99999933	1	329	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
25		99999940	1	273	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
26		99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
26		99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
26		99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
26		99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
26		99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
26		99999930	1	361	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
26		99999933	1	361	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
26		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
28		99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28		99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28		99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28		99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28		99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28		99999930	1	389	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
28		99999933	1	389	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
28		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
35		99999901	1	230	0110	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000	000
35		99999902	1	230	0110	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000	000
35		99999903	1	230	0110	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000	000
35		99999904	1	230	0110	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000	000
35		99999905	1	230	0110	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000	000
35		99999930	1	384	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	067	087	087	070
35		99999933	1	384	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
35		99999940	1	500	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083

TABLE A-2 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
37		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
37		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
37		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
37		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
37		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
37		99999930	1	265	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
37		99999933	1	285	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	076	078	076	078
37		99999940	1	333	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
43		99999901	1	160	0110	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000	000
43		99999902	1	160	0110	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000	000
43		99999903	1	160	0110	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000	000
43		99999904	1	160	0110	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000	000
43		99999905	1	160	0110	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000	000
43		99999930	1	379	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
43		99999933	1	379	0110	010	010	010	010	010	000	000	000	000	000	000	014	076	076	076	078	078	078	078	078	078	078	078	078
43		99999940	1	429	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
44		99999901	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44		99999502	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44		99999903	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44		99999904	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44		99999905	1	001	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
44		99999930	1	369	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
44		99999933	1	369	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
44		99999940	1	375	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
45		99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45		99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45		99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45		99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45		99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45		99999930	1	218	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
45		99999933	1	218	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078	078
45		99999940	1	250	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083
51		99999901	1	230	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
51		99999902	1	230	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
51		99999903	1	230	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
51		99999904	1	230	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
51		99999905	1	230	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
51		99999930	1	381	0110	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087	070
51		99999933	1	381	0110	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	076	078	078	078	078	075	078	078	078
51		99999940	1	500	0046	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083	083

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TYPING GUIDE SHEET
DROPPED HEAD BEGIN SECTIONS HERE
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TABLE A-3. AREA SOURCE TEMPORAL ALLOCATION FACTORS FOR THE MOUNTAIN TIME ZONE

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
		99999906	1	150	0128	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999907	1	150	0128	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999908	1	150	0128	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999909	1	150	0128	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999910	1	150	0128	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999911	1	150	0128	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050	050
		99999912	1	025	0128	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033
		99999913	1	025	0128	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033
		99999914	1	025	0128	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033
		99999915	1	025	0128	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033
		99999916	1	025	0128	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033
		99999917	1	025	0128	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073	033
		99999918	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000
		99999919	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000
		99999920	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091	000
		99999921	1	250	0110	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	057	067	067	057	057	067
		99999922	1	250	0110	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	057	067	067	067	067	067	067	067
		99999923	1	250	0110	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	057	067	067	067	057	067
		99999924	1	250	0110	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081
		99999925	1	250	0110	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081
		99999926	1	250	0110	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081
		99999927	1	250	0110	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091	081
		99999928	1	250	0110	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	065
		99999929	1	250	0110	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	065
		99999931	1	250	0110	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	065
		99999932	1	250	0110	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094	065
		99999934	1	025	0110	023	023	023	023	023	023	023	023	023	023	023	023	064	064	064	064	064	064	064	064	064	064	064	023
		99999935	1	250	0110	045	045	038	037	037	037	037	037	037	038	038	038	038	038	046	046	046	046	046	046	045	046	045	046
		99999936	1	250	0110	066	066	056	000	000	000	000	000	000	000	000	000	066	066	067	067	067	067	067	067	067	067	067	067
		99999937	1	260	0110	050	050	050	050	050	050	020	020	010	010	020	020	050	050	050	050	050	050	050	050	050	050	050	050
		99999938	1	250	0110	057	023	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058	057
		99999939	1	250	0110	057	023	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058	057
		99999941	1	256	0119	040	026	014	014	014	013	087	090	090	090	090	032	060	068	069	069	069	069	069	069	068	068	068	057
		99999942	1	250	0119	057	059	024	022	020	020	020	020	012	005	005	038	045	055	057	054	055	058	058	058	059	064	057	067
		99999943	1	500	0110	042	042	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042	042
		99999944	1	000	0110	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067	066
		99999945	1	000	0110	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	057	067	057	067	067	067	057	066
		99999946	1	250	0110	042	042	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042	042
		99999947	1	250	0110	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042
		99999948	1	250	0110	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042
		99999949	1	250	0110	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042
		99999950	1	250	0110	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042
		99999951	1	250	0110	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042
		99999952	1	840	0110	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042
		99999953	1	250	0110	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042	042
		99999954	1	650	0150	000	000	000	000	000	000	000	000	000	000	000	000	000	000	111	111	111	111	111	111	111	111	111	000
06		99999901	1	230	0110	000	000	000	000	000	000	110	110	110	223	223	223	000	000	000	000	000	000	000	000	000	000	000	000
06		99999902	1	230	0110	000	000	000	000	000	000	110	110	110	223	223	223	000	000	000	000	000	000	000	000	000	000	000	000
06		99999903	1	230	0110	000	000	000	000	000	000	110	110	110	223	223	223	000	000	000	000	000	000	000	000	000	000	000	000
06		99999904	1	230	0110	000	000	000	000	000	000	110	110	110	223	223	223	000	000	000	000	000	000	000	000	000	000	000	000
06		99999905	1	230	0110	000	000	000	000	000	000	110	110	110	223	223	223	000	000	000	000	000	000	000	000	000	000	000	000
06		99999930	1	338	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	067	087	087	087
06		99999933	1	338	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	076	076	076	078	078	078	076	078	078	078	079
06		99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
13		99999901	1	350	0110	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000	000
13		99999902	1	350	0110	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000	000
13		99999903	1	350	0110	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000	000
13		99999904	1	350	0110	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000	000
13		99999905	1	350	0110	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000	000
13		99999930	1	360	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
13		99999933	1	360	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
13		99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
17	1360	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1360	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1360	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1360	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1360	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1360	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
17	1360	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
17	1360	99999940	1	375	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
17	1400	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1400	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1400	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1400	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1400	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1400	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
17	1400	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
17	1400	99999940	1	375	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
17	1820	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1820	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1820	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1820	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1820	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	1820	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
17	1820	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
17	1820	99999940	1	375	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
17	3420	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3420	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3420	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3420	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3420	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3420	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
17	3420	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
17	3420	99999940	1	375	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
17	3680	99999901	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3680	99999902	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3680	99999903	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3680	99999904	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3680	99999905	1	003	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
17	3680	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
17	3680	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
17	3680	99999940	1	375	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
27		99999901	1	410	0110	000	000	000	057	057	057	103	103	103	127	127	127	047	047	047	000	000	000	000	000	000	000	000	000
27		99999902	1	410	0110	000	000	000	057	057	057	103	103	103	127	127	127	047	047	047	000	000	000	000	000	000	000	000	000
27		99999903	1	410	0110	000	000	000	057	057	057	103	103	103	127	127	127	047	047	047	000	000	000	000	000	000	000	000	000
27		99999904	1	410	0110	000	000	000	057	057	057	103	103	103	127	127	127	047	047	047	000	000	000	000	000	000	000	000	000
27		99999905	1	410	0110	000	000	000	057	057	057	103	103	103	127	127	127	047	047	047	000	000	000	000	000	000	000	000	000
27		99999930	1	408	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
27		99999933	1	408	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
27		99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0080	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0080	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0080	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0080	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0080	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0080	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0080	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0080	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0140	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0140	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0140	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0140	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0140	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0140	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0140	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0140	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0260	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0260	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0260	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0260	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0260	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0260	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0260	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0260	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0460	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0460	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0460	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0460	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0460	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0460	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0460	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0460	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0480	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0480	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0480	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0480	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0480	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0480	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0480	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0480	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0500	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0500	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0500	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0500	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0500	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0500	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0500	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0500	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0660	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0660	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0660	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0660	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
28	0680	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0680	99999930	1	369	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0680	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0680	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0720	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0720	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0720	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0720	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0720	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0720	99999930	1	369	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0720	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0720	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0800	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0800	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0800	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0800	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0800	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0800	99999930	1	369	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0800	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0800	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	0980	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0980	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0980	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0980	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0980	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	0980	99999930	1	369	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	0980	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	0980	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1100	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1100	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1100	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1100	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1100	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1100	99999930	1	369	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1100	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1100	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1300	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1300	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1300	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1300	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1300	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1300	99999930	1	369	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1300	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1300	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1420	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1420	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1420	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1420	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1420	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1420	99999930	1	369	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1420	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1420	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1460	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1460	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
28	1460	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1460	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1460	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1460	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1460	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1460	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1480	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1480	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1480	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1480	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1480	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1480	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1480	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1480	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1660	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1660	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
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28	1660	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1660	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1660	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1660	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1660	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1720	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1720	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1720	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1720	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1720	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1720	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1720	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1720	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	1960	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1960	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1960	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1960	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1960	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	1960	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	1960	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	1960	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	2240	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2240	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2240	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2240	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2240	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2240	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	2240	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	2240	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	2260	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2260	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2260	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2260	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2260	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2260	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	2260	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	2260	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
28	2320	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2320	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2320	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2320	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2320	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2320	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	2320	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	2320	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	2380	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2380	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2380	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2380	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2380	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2380	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	2380	99999933	1	369	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	2380	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
28	2480	99999901	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2480	99999902	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2480	99999903	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2460	99999904	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2460	99999905	1	007	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
28	2480	99999930	1	389	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
28	2480	99999933	1	389	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
28	2480	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
32		99999901	1	006	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
32		99999902	1	006	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
32		99999903	1	006	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
32		99999904	1	006	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
32		99999905	1	006	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
32		99999930	1	310	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
32		99999933	1	310	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
32		99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	093	083
35	0020	99999901	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0020	99999902	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0020	99999903	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0020	99999904	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0020	99999905	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0020	99999930	1	364	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
35	0020	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
35	0020	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
35	0080	99999901	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0080	99999902	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0080	99999903	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0080	99999904	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0080	99999905	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0080	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
35	0080	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
35	0080	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
35	0160	99999901	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
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35	0160	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087

TYPING GUIDE SHEET
BEGIN FIRST LINE OF TEXT HERE
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TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
35	0160	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
35	0160	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
35	0340	99999901	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0340	99999902	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0340	99999903	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0340	99999904	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0340	99999905	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0340	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
35	0340	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
35	0340	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
35	0440	99999901	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
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35	0700	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
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35	0760	99999905	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0760	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
35	0760	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
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35	0800	99999904	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
35	0800	99999905	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0800	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
35	0800	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
35	0800	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
35	0860	99999901	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0860	99999902	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0860	99999903	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	0860	99999904	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
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35	0860	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
35	0860	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
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35	1080	99999901	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
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35	1080	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
35	1080	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
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35	1100	99999903	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	1100	99999904	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	1100	99999905	1	230	0110	000	000	000	000	000	000	063	063	063	127	127	127	147	147	147	000	000	000	000	000	000	000	000	000
35	1100	99999930	1	384	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
35	1100	99999933	1	384	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
35	1100	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
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35	1140	99999940	1	500	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
38		99999901	1	690	0110	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107	107
38		99999902	1	690	0110	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107	107
38		99999903	1	690	0110	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107	107
38		99999904	1	690	0110	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107	107
38		99999905	1	690	0110	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107	107
38		99999930	1	370	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
38		99999933	1	370	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
38		99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
43	0100	99999901	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
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43	0240	99999902	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
43	0240	99999903	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	0240	99999904	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	0240	99999905	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	0240	99999930	1	379	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
43	0240	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
43	0240	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
43	0400	99999901	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	0400	99999902	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	0400	99999903	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
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43	0400	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
43	0400	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
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43	0420	99999904	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
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43	0420	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
43	0420	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
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43	0760	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
43	0880	99999901	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
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43	0880	99999903	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	0880	99999904	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	0880	99999905	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
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43	0880	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
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43	1320	99999930	1	379	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
43	1320	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
43	1320	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
43	1360	99999901	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
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43	1360	99999930	1	379	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
43	1360	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
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43	1640	99999905	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1640	99999930	1	379	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
43	1640	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
43	1640	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
43	1740	99999901	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1740	99999902	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1740	99999903	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1740	99999904	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1740	99999905	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1740	99999930	1	379	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
43	1740	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
43	1740	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
43	1840	99999901	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1840	99999902	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1840	99999903	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1840	99999904	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1840	99999905	1	160	0110	000	000	000	000	000	000	000	000	000	143	143	143	190	190	190	000	000	000	000	000	000	000	000	000
43	1840	99999930	1	379	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
43	1840	99999933	1	379	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
43	1840	99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
45	1700	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	1700	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	1700	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	1700	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000

TABLE A-3 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
45	1700	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	1700	99999930	1	218	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	067
45	1700	99999933	1	218	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
45	1700	99999940	1	250	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
45	2590	99999901	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	2590	99999902	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	2590	99999903	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	2590	99999904	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	2590	99999905	1	000	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
45	2590	99999930	1	218	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
45	2590	99999933	1	218	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
45	2590	99999940	1	250	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
46		99999901	1	190	0110	000	000	000	000	000	000	000	000	000	333	333	333	000	000	000	000	000	000	000	000	000	000	000	000
46		99999902	1	190	0110	000	000	000	000	000	000	000	000	000	333	333	333	000	000	000	000	000	000	000	000	000	000	000	000
46		99999903	1	190	0110	000	000	000	000	000	000	000	000	000	333	333	333	000	000	000	000	000	000	000	000	000	000	000	000
46		99999904	1	190	0110	000	000	000	000	000	000	000	000	000	333	333	333	000	000	000	000	000	000	000	000	000	000	000	000
46		99999905	1	190	0110	000	000	000	000	000	000	000	000	000	333	333	333	000	000	000	000	000	000	000	000	000	000	000	000
46		99999930	1	366	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
46		99999933	1	366	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
46		99999940	1	429	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083
52		99999901	1	300	0110	000	000	000	053	053	053	120	120	120	160	160	160	000	000	000	000	000	000	000	000	000	000	000	000
52		99999902	1	300	0110	000	000	000	053	053	053	120	120	120	160	160	160	000	000	000	000	000	000	000	000	000	000	000	000
52		99999903	1	300	0110	000	000	000	053	053	053	120	120	120	160	160	160	000	000	000	000	000	000	000	000	000	000	000	000
52		99999904	1	300	0110	000	000	000	053	053	053	120	120	120	160	160	160	000	000	000	000	000	000	000	000	000	000	000	000
52		99999905	1	300	0110	000	000	000	053	053	053	120	120	120	160	160	160	000	000	000	000	000	000	000	000	000	000	000	000
52		99999930	1	402	0110	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087	087
52		99999933	1	402	0110	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078	078
52		99999940	1	600	0046	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083	083

TABLE A-4. AREA SOURCE TEMPORAL ALLOCATION FACTORS FOR THE PACIFIC TIME ZONE

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
		99999906	1	150	0128	050	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050
		99999907	1	150	0128	050	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050
		99999908	1	150	0128	050	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050
		99999909	1	150	0128	050	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050
		99999910	1	150	0128	050	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050
		99999911	1	150	0128	050	050	050	050	050	050	016	017	016	017	016	017	050	050	050	050	050	050	050	050	050	050	050	050
		99999912	1	025	0128	033	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073
		99999913	1	025	0128	033	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073
		99999914	1	025	0128	033	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073
		99999915	1	025	0128	033	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073
		99999916	1	025	0128	033	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073
		99999917	1	025	0128	033	033	033	033	033	033	000	000	000	000	000	000	000	073	073	073	073	073	073	073	073	073	073	073
		99999918	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091
		99999919	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091
		99999920	1	250	0140	000	000	000	000	000	000	000	000	000	000	000	000	000	090	091	091	091	091	091	091	091	091	091	091
		99999921	1	250	0110	067	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067
		99999922	1	250	0110	067	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067
		99999923	1	250	0110	067	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067
		99999924	1	250	0110	081	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091
		99999925	1	250	0110	081	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091
		99999926	1	250	0110	081	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091
		99999927	1	250	0110	081	053	043	034	025	026	021	016	012	006	006	008	019	047	086	062	047	047	049	049	048	055	069	091
		99999928	1	250	0110	065	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094
		99999929	1	250	0110	065	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094
		99999931	1	250	0110	065	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	078	084	052	079	080	083	094
		99999932	1	250	0110	065	030	016	011	008	008	008	006	004	004	003	006	013	029	072	087	080	076	084	052	079	080	083	094
		99999934	1	025	0110	023	023	023	023	023	023	023	023	023	023	023	023	023	064	064	064	064	064	064	064	064	064	054	064
		99999935	1	250	0110	046	045	045	038	037	037	037	037	037	037	038	038	038	038	036	046	046	046	046	046	046	046	046	046
		99999936	1	250	0110	067	066	066	066	000	000	000	000	000	000	000	000	000	066	066	067	067	067	067	067	067	067	067	067
		99999937	1	260	0110	050	050	050	050	050	050	050	020	020	010	010	020	020	050	050	050	050	050	050	050	050	050	050	050
		99999938	1	250	0110	057	057	023	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058
		99999939	1	250	0110	057	057	023	023	023	022	022	022	023	023	023	023	023	057	057	058	058	058	058	058	058	058	058	058
		99999941	1	256	0119	057	040	026	014	014	014	013	067	090	090	090	090	032	060	068	069	069	069	069	069	069	068	068	068
		99999942	1	250	0119	067	057	059	024	022	020	020	020	020	012	005	005	038	045	055	057	054	055	058	058	058	059	054	067
		99999943	1	500	0110	042	042	042	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042
		99999944	1	000	0110	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067
		99999945	1	000	0110	066	066	000	000	000	000	000	000	000	000	000	066	066	066	067	067	067	067	067	067	067	067	067	067
		99999946	1	250	0110	042	042	042	042	042	042	042	042	042	042	042	042	042	042	042	041	041	041	041	041	041	041	041	042
		99999947	1	250	0110	042	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042
		99999948	1	250	0110	042	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042
		99999949	1	250	0110	042	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042
		99999950	1	250	0110	042	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042
		99999951	1	250	0110	042	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042
		99999952	1	840	0110	042	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042
		99999953	1	250	0110	042	042	042	042	042	042	041	041	041	041	041	041	041	041	041	041	042	042	042	042	042	042	042	042
		99999954	1	650	0150	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	111	111	111	111	111	111	111	111	111
03		99999901	1	002	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
03		99999902	1	002	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
03		99999903	1	002	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
03		99999904	1	002	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
03		99999905	1	002	0110	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
03		99999930	1	313	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	037	087	087	087	087	087
03		99999933	1	313	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	073
03		99999940	1	273	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083

TABLE A-4 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
05		99999901	1	360	0110	000	000	000	000	033	033	033	097	097	097	127	127	127	080	080	080	000	000	000	000	000	000	000	000
05		99999902	1	360	0110	000	000	000	000	033	033	033	097	097	097	127	127	127	080	080	080	000	000	000	000	000	000	000	000
05		99999903	1	360	0110	000	000	000	000	033	033	033	097	097	097	127	127	127	080	080	080	000	000	000	000	000	000	000	000
05		99999904	1	360	0110	000	000	000	000	033	033	033	097	097	097	127	127	127	080	080	080	000	000	000	000	000	000	000	000
05		99999905	1	360	0110	000	000	000	000	033	033	033	097	097	097	127	127	127	080	080	080	000	000	000	000	000	000	000	000
05		99999930	1	252	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
05		99999933	1	252	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
05		99999940	1	250	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0120	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0120	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0120	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0120	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0120	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0120	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0120	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0120	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0240	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0240	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0240	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0240	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0240	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0240	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0240	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0240	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0280	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0280	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0280	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0280	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0280	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0280	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0280	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0280	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0480	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0480	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0480	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0480	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0480	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0480	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0480	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0480	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0740	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0740	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0740	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0740	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0740	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0740	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0740	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0740	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0760	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0760	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0760	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0760	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0760	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0760	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087

TABLE A-4 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
13	0760	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0760	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0860	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0860	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0860	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0860	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0860	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0860	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0860	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0860	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0880	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0880	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0880	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0880	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0880	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0880	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0880	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0880	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	0920	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0920	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0920	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0920	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0920	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	0920	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	0920	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	0920	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	1140	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1140	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1140	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1140	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1140	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1140	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	1140	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	1140	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
13	1420	99999901	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1420	99999902	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1420	99999903	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1420	99999904	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1420	99999905	1	350	0110	000	000	000	000	037	037	037	087	087	087	177	177	177	037	037	037	000	000	000	000	000	000	000	000
13	1420	99999930	1	360	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
13	1420	99999933	1	360	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
13	1420	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
29		99999901	1	220	0110	000	000	000	000	000	000	000	100	100	100	157	157	157	077	077	077	000	000	000	000	000	000	000	000
29		99999902	1	220	0110	000	000	000	000	000	000	000	100	100	100	157	157	157	077	077	077	000	000	000	000	000	000	000	000
29		99999903	1	220	0110	000	000	000	000	000	000	000	100	100	100	157	157	157	077	077	077	000	000	000	000	000	000	000	000
29		99999904	1	220	0110	000	000	000	000	000	000	000	100	100	100	157	157	157	077	077	077	000	000	000	000	000	000	000	000
29		99999905	1	220	0110	000	000	000	000	000	000	000	100	100	100	157	157	157	077	077	077	000	000	000	000	000	000	000	000
29		99999930	1	378	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
29		99999933	1	378	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
29		99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
38	1120	99999901	1	690	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
38	1120	99999902	1	690	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
38	1120	99999903	1	690	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
38	1120	99999904	1	690	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107

TABLE A-4 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
38	1120	99999905	1	690	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
38	1120	99999930	1	370	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
38	1120	99999933	1	370	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
38	1120	99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083
49		99999901	1	600	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
49		99999902	1	600	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
49		99999903	1	600	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
49		99999904	1	600	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
49		99999905	1	600	0110	107	003	003	003	033	033	033	050	050	050	060	060	060	053	053	053	027	027	027	000	000	000	107	107
49		99999930	1	422	0110	087	070	000	000	000	000	000	000	000	000	000	000	000	040	045	062	087	087	087	087	087	087	087	087
49		99999933	1	422	0110	078	078	010	010	010	010	010	000	000	000	000	000	000	014	078	078	078	078	078	078	078	078	078	078
49		99999940	1	429	0046	083	083	000	000	000	000	000	000	000	000	000	000	000	000	083	083	083	083	083	084	084	084	084	083

TABLE A-5. POINT SOURCE TEMPORAL ALLOCATION FACTORS FOR THE EASTERN TIME ZONE

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
07		10100101	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100102	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100201	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100202	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100203	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100204	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100205	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100217	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100301	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100303	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100304	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100306	1	090	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100401	1	250	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100404	1	250	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100405	1	250	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100406	1	250	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100501	1	250	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100504	1	250	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		10100505	1	250	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		20100101	1	200	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		20100102	1	200	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		20100901	1	200	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
07		20100902	1	200	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
08		10100101	1	290	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		10100102	1	290	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		10100201	1	290	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
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08		10100203	1	290	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		10100204	1	290	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
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08		10100303	1	290	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
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08		10100401	1	280	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		10100404	1	280	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		10100405	1	260	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
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08		10100601	1	390	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		10100602	1	390	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		10100604	1	390	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		20100101	1	360	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
08		20100102	1	360	0110	045	044	045	036	033	030	029	027	027	030	039	044	046	048	054	054	047	047	048	046	047	046	044	044
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09		10100401	1	190	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	046	049	051	052	051	052	052	050	049	048
09		10100404	1	190	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	046	049	051	052	051	052	052	050	049	048
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09		10100501	1	190	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	046	049	051	052	051	052	052	050	049	048

TABLE A-5 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
09		10100504	1	190	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
09		10100505	1	150	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
09		20100101	1	250	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
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09		20100901	1	250	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
09		20100902	1	250	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
20		10100401	1	120	0110	049	036	027	024	024	024	024	026	029	036	044	048	048	049	050	052	052	052	051	051	051	051	051	051
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20		10100405	1	120	0110	049	036	027	024	024	024	024	026	029	036	044	048	048	049	050	052	052	052	051	051	051	051	051	051
20		10100406	1	120	0110	049	036	027	024	024	024	024	026	029	036	044	048	048	049	050	052	052	052	051	051	051	051	051	051
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20		20100101	1	220	0110	049	036	027	024	024	024	024	026	029	036	044	048	048	049	050	052	052	052	051	051	051	051	051	051
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21		10100101	1	290	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
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21		10100217	1	290	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
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21		10100303	1	290	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
21		10100304	1	290	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
21		10100306	1	290	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
21		10100401	1	240	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
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21		10100602	1	490	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
21		10100604	1	490	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
21		20100101	1	260	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
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21		20100201	1	500	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
21		20100202	1	500	0110	049	043	037	030	030	030	030	030	031	031	033	036	041	046	048	049	051	052	051	052	052	050	049	048
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22		10100401	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
22		10100404	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
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22		10100406	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
22		10100501	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
22		10100504	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
22		10100505	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
22		10100601	1	450	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
22		10100602	1	450	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046

TABLE A-5 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
22		10100604	1	450	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	046
22		20100101	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	045
22		20100102	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	045
22		20100201	1	610	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	045
22		20100202	1	610	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	045
22		20100901	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	045
22		20100902	1	230	0110	047	044	040	034	033	032	032	032	032	034	039	044	046	047	047	047	047	046	047	047	047	046	046	045
30		10100101	1	200	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
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30		10100217	1	200	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
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31		10100101	1	330	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
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31		10100205	1	330	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		10100217	1	330	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
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31		10100303	1	330	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		10100304	1	330	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		10100306	1	330	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
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TABLE A-5 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
31		10100601	1	480	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		10100602	1	480	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		10100604	1	480	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		20100101	1	310	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		20100102	1	310	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		20100201	1	270	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
31		20100202	1	270	0110	049	043	038	033	031	029	028	027	027	028	032	038	045	049	051	052	052	052	052	052	052	050	048	047
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33		10100101	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
33		10100102	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
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33		10100203	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
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33		10100205	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
33		10100217	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
33		10100301	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
33		10100303	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
33		10100304	1	240	0111	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
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33		10100401	1	250	0110	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
33		10100404	1	250	0110	044	042	038	034	034	033	032	032	031	032	037	043	046	048	048	049	049	049	049	049	048	046	045	045
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36		10100101	1	250	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100102	1	250	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
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36		10100217	1	250	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100301	1	250	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100303	1	250	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
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36		10100401	1	170	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100404	1	170	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
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TABLE A-5 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
36		10100504	1	170	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100505	1	170	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100601	1	160	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100602	1	180	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		10100604	1	180	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		20100101	1	150	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		20100102	1	150	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		20100201	1	200	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		20100202	1	200	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		20100901	1	150	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
36		20100902	1	150	0110	045	043	039	035	034	033	032	032	033	034	038	041	044	046	047	048	048	048	048	048	048	047	045	045
39		10100101	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		10100102	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		10100201	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		10100202	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
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39		10100304	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		10100306	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		10100401	1	210	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
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39		10100406	1	210	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
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39		20100101	1	150	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		20100102	1	150	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		20100201	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		20100202	1	270	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		20100901	1	150	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
39		20100902	1	150	0110	045	043	040	036	036	035	034	034	034	036	040	042	044	046	046	046	046	046	046	046	046	045	044	045
41		10100401	1	120	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100404	1	120	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100405	1	120	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100406	1	120	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100501	1	120	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100504	1	120	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100505	1	120	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100601	1	790	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100602	1	750	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		10100604	1	790	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		20100101	1	280	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		20100102	1	280	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		20100901	1	280	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
41		20100902	1	280	0110	050	043	032	024	021	020	019	019	020	023	033	044	052	057	057	057	057	057	056	056	055	051	048	050
47		10100101	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051

TABLE A-5 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
47		10100102	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100201	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100202	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100203	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100204	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100205	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100217	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100301	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100303	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100304	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100306	1	160	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100401	1	210	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100404	1	210	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100405	1	210	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100406	1	210	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100501	1	210	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100504	1	210	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100505	1	210	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100601	1	350	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100602	1	350	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		10100604	1	350	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		20100101	1	280	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		20100102	1	280	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		20100901	1	280	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
47		20100902	1	280	0110	049	042	030	023	022	021	021	022	024	030	037	046	052	054	055	054	054	054	053	053	053	053	051	051
48		10100101	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100102	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100201	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100202	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100203	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100204	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100205	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100217	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100301	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100303	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100304	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100306	1	260	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100401	1	240	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100404	1	240	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100405	1	240	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100406	1	240	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100501	1	240	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100504	1	240	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100505	1	240	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100601	1	500	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100602	1	500	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		10100604	1	500	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		20100101	1	150	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		20100102	1	150	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		20100201	1	640	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		20100202	1	640	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		20100901	1	150	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
48		20100902	1	150	0110	048	044	039	033	031	029	028	027	028	031	035	041	046	048	049	049	050	050	050	050	050	050	048	048
50		10100101	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045

TABLE A-5 (continued)

ST	CNTY	SCC	DAY NBR	SEA %	DAY FRAC	HR 01	HR 02	HR 03	HR 04	HR 05	HR 06	HR 07	HR 08	HR 09	HR 10	HR 11	HR 12	HR 13	HR 14	HR 15	HR 16	HR 17	HR 18	HR 19	HR 20	HR 21	HR 22	HR 23	HR 24
50		10100102	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100201	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100202	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100203	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100204	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100205	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100217	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100301	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100303	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100304	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100306	1	260	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100401	1	220	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100404	1	220	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100405	1	220	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100406	1	220	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100501	1	220	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100504	1	220	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100505	1	220	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		10100601	1	170	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100602	1	170	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		10100604	1	170	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		20100101	1	650	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		20100102	1	650	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045
50		20100901	1	650	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	046
50		20100902	1	650	0110	045	042	039	035	034	033	033	033	033	035	039	043	045	046	047	047	047	047	047	047	047	047	046	045

→ Please Delete

APPENDIX B

NAPAP SPATIAL ALLOCATION FACTORS

The format of the NAPAP Spatial Allocation Factor file is depicted in Table B-1. Owing to the enormous size of the data base (over 40,000 records) only a portion of the entire file is presented in Table B-2.

TABLE B-1. FORMAT OF SPATIAL ALLOCATION FACTOR RECORDS

Record first	Position last	Length	Format	Variable name	Description
1	2	2	N	-	State Code
3	6	4	N	-	County Code
7	10	4	N	-	Grid Column
11	14	4	N	-	Grid Row
15	18	4	N	-	Population
19	22	4	N	-	Housing
23	26	4	N	-	Urban Land
27	30	4	N	-	Agricultural Land
31	34	4	N	-	Rangeland
35	42	4	N	-	Deciduous Forest
39	42	4	N	-	Coniferous Forest
43	46	4	N	-	Mixed Forest and Forested Wetlands
47	46	4	N	-	Water
51	54	4	N	-	Barren Land
55	58	4	N	-	Non-Forested Wetland
59	62	4	N	-	Mixed Agricultural Land and Rangeland
63	66	4	N	-	Composite Forest
67	70	4	N	-	Land Area
71	78	8	-	-	Unused
79	80	2	N	-	RMDHS Record Identifier

TABLE B-2. EXAMPLE LISTING OF THE NAPAP SPATIAL ALLOCATION FACTOR FILE

```
103320 176  20 227 208   01520    0    0   015391510    0    0   014491160        15
100380 177  20  24  17   01879 679    0    0 920 449    0    0    0 589 959        15
103240 177  20   0   0   0 209  29    0    0  40  50    0    0    0  29  69        15
103320 177  20   0   0   0 980 130    0    0 430 499    0    0    0 410 570        15
100380 178  20154114542019 290   0    0 550   02090    0    0    0 200 640        15
453550  99  21   0   0   0   0 509    0    0   0   0    0    0    0   0 509        15
451490 100  21   0   0   0   0 659    0    0   0   0    0    0    0   0 630        15
453550 100  21   0   0   0   0 719    0    0   0   0    0    0    0   0 719        15
451490 101  2117601895   019291380    0    0   0   0    0    0    0   01400        15
451490 102  21   0   0   0   01459    0    0   0   0    0    0    0   01400        15
451490 103  21   0   0   0 700 499    0    0   0   0    0    0    0   0 509        15
453150 103  21 672 658   0 980 760    0    0   0   0    0    0    0   0 760        15
453150 104  2163205971   015491200    0    0   0   0    0    0    0   01210        15
453150 105  21   0   0   0   0 910    0    0   0   0    0    0    0   0 870        15
453450 105  21   0   0   0   0 410    0    0   0   0    0    0    0   0 389        15
453450 106  2117611784   0   01510    0    0   0   0    0    0    0   01449        15
453270 107  21   0   0   0 350 710    0    0   0   0    0    0    0   0 580        15
453450 107  2135362901   02320 860    0    0   0   0    0    0    0   0 920        15
453270 108  2134742733   0148015208519    0   0   0    0    0   027891620        15
450350 109  2133013379   01270 2491129   02719    0    0    0   024691459        15
453270 109  21 379 367   0 589  29 679   05090    0    0    0   03119 389        15
450350 110  2146774472   0212923792710   0 750    0    0    0   010591760        15
452090 110  21   0   0   0 1391160 230   0  80    0    0    0   0 110 190        15
450350 111  21   0   0   0 150 3592650   0 309    0    0    0   0 669 430        15
452090 111  21   0   0   0 16931303929   0 600    0    0    0   01250 839        15
454380 111  21 846 938   0 810 3595740   06250    0    0    0   05930 870        15
452090 112  21   0   0   0   0   0   0   0   0    0    0    0   0   0   0        15
454380 112  21   0   0   0   03509   0   0   01260    0    0    0   02339        15
450720 113  21 189 293   0   01210   0   0   0 230   01280    0   0 520        15
454380 113  2112081126   0   01559   0   0   02329   06279    0   01439        15
455350 113  21   0   0   0   0   0   0   0   0   0    0   0    0   0   0        15
450720 114  2110551035   0   07730   0   0   01119   07559    0   03099        15
450720 115  21 5291138   0   0   0   0   0   0 589   01050    0   0 430        15
453530 115  21   0   0   0   0   0   0   0   0 509    0  89    0   0 139        15
453530 116  21   0   0   0   0   0   0   0   0   0    0   0    0   0   0        15
101740 170  21268528531830 4004329   0 46914101510   01380    0 910 939        15
103520 170  2114791371 999 3591260   0185013803990   03740    014801250        15
101740 171  21 467 465   025895670   0 4101380 490    0   0    0 8701229        15
103520 171  21  30  25   022591569   015391290125 0   0   0    013491559        15
101740 172  21  69  88 920 690   0   0 309 700   0    0   0    0 499 469        15
103520 172  21 898 70311291439   0   027891569   0    0   0    018401420        15
104260 172  21   0   04429 650   0   01309 889   0    0   0    0 999 800        15
102100 173  21 159 161   0 4906340   0   02430 700    0   0    015101069        15
103680 173  21   0   0   0  29 200   0   0 200  59    0   0    0 130  80        15
104260 173  21   0   0   0 2497580   0   0 740 910    0   0    0 550 529        15
102100 174  21   0   0   0 2793660   0   01119 810    0   0    0 700 619        15
103240 174  21 111 113   0 8101449   0   0 9901309    0   0    0 760 899        15
103320 174  21 408 473   0  20  40   0   0  69  80    0   0    0  69  50        15
103680 174  21   0   0   0  20  89   0   0  69  50    0   0    0  40  29        15
103240 175  2115931600   018501329   0218016001799    0   0    017401659        15
103320 175  21  21  47   0  69  50   01050 139 139    0   0    0 190 110        15
103240 176  21  27  27   0   05389   0   02540 610    0   0    019291679        15
103320 176  21   0   0   0   0 169   0   0 190  40    0   0    0 179  89        15
100380 177  21 773 672   0 449   0   017302619 469    0   0    02300 999        15
103240 177  21   0   0   0 589   0   015491339 640    0   0    01390 880        15
100380 178  2121902371   0   0 359   0  69  40 520    0 389    0  50 169        15
453550  98  22   0   0   0   0   0   0   0   0   0    0   0    0   0   0        15
453550  99  2216501662   0   0 949   0   0   0   0    0   0    0   0 949        15
451490 100  22   0   0   0   0 540   0   0   0   0    0   0    0   0 520        15
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APPENDIX C

NAPAP VOC SPECIES ALLOCATION FACTORS

Tables C-1 and C-2, respectively, provide the Species Index File and VOC Profile File developed for NAPAP.

TABLE C-1. THE NAPAP EMISSION INVENTORY SPECIES INDEX FILE

SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY
10100102	K0003	10200602	K0003	20100201	K0007	30101840	K0067
10100201	R0001	10200603	K0003	20100202	K0010	30101891	K0067
10100202	R0001	10200701	K0004	20100301	K0008	30101699	K0068
10100203	R0001	10200702	K0004	20100302	K0008	30101901	K0276
10100204	R0001	10200704	K0004	20100501	K0008	30101902	K0276
10100205	R0001	10200705	K0004	20100901	K0009	30101903	K0071
10100209	R0001	10200707	K0005	20100902	K0009	30101904	K0276
10100221	R0001	10200708	K0005	20200101	K0009	30102005	K0072
10100222	R0001	10200799	K0004	20200102	K0009	30102099	K0072
10100223	R0001	10200802	K0005	20200201	K0007	30102301	C0015
10100301	R0001	10200901	K0003	20200202	K0010	30102399	C0015
10100303	R0001	10200902	K0003	20200301	K0009	30102401	K0067
10100306	R0001	10200903	K0003	20300101	K0008	30102402	K0068
10100299	R0001	10201002	K0003	20300201	K0010	30102406	K0079
10100401	K0001	10201201	K0003	20400101	K0010	30102410	K0274
10100402	K0001	10201301	K0002	20400402	K0008	30102414	K0068
10100404	K0001	10201302	K0002	20400499	C0061	30102459	K0274
10100504	K0002	10299997	K0005	29999999	K0007	30102501	K0067
10100501	K0002	10299998	K0005	30100101	K0071	30102505	K0067
10100505	K0002	10300101	K0003	30100106	C0015	30102599	K0067
10100601	K0003	10300102	R0001	30100503	K0079	30102601	K0272
10100602	K0003	10300205	R0001	30100504	K0079	30102602	K0272
10100604	K0003	10300207	R0001	30100505	C0015	30102608	K0272
10100702	K0004	10300208	R0001	30100599	K0079	30102620	K0272
10100801	K0005	10300209	K0003	30100601	K0079	30102699	K0274
10100901	K0001	10300210	R0001	30100699	K0079	30103201	C0017
10100902	K0001	10300211	R0001	30100701	K0078	30103202	C0017
10100903	K0003	10300212	R0001	30100799	K0079	30103301	C0017
10200104	K0003	10300213	R0001	30100901	K0078	30103399	C0024
10200107	K0003	10300214	R0001	30100902	K0079	30103401	C0015
10200201	R0001	10300299	R0001	30100910	K0079	30103410	C0015
10200202	R0001	10300401	K0001	30100999	K0079	30103499	C0015
10200203	R0001	10300402	K0001	30101101	C0015	30103599	K0079
10200204	R0001	10300403	K0001	30101199	C0015	30103601	C0017
10200205	K0001	10300501	K0002	30101301	K0079	30103999	C0015
10200206	R0001	10300502	K0002	30101399	K0079	30104101	C0015
10200206	R0001	10300503	K0002	30101401	K0079	30104104	C0015
10200209	R0001	10300601	K0003	30101402	K0066	30104199	C0015
10200210	R0001	10300602	K0003	30101499	K0079	30105001	K0079
10200211	K0003	10300603	K0003	30101501	K0066	30106001	C0015
10200212	R0001	10300901	R0001	30101502	K0066	30106002	C0015
10200213	K0003	10300902	R0001	30101503	K0066	30106004	C0015
10200214	R0001	10300903	R0001	30101505	K0066	30106005	C0015
10200299	R0001	10399997	C0049	30101599	K0066	30106006	C0015
10200401	K0001	10500102	K0002	30101612	C0017	30106007	C0015
10200402	K0001	10500105	K0002	30101600	K0067	30106009	C0015
10200403	K0001	10500106	K0003	30101801	K0067	30106010	C0015
10200404	K0001	10500202	K0002	30101802	K0068	30106099	K0079
10200501	K0002	10500205	K0002	30101805	K0068	30109099	K0079
10200502	K0002	10500501	K0002	30101807	K0172	30110001	C0017
10200503	K0002	10500601	K0003	30101812	K0172	30110099	C0017
10200504	K0002	19999999	K0079	30101827	K0066	30111001	K0079
10200601	K0003	20100101	K0009	30101838	K0067	30111102	K0274
		20100102	K0009	30101839	K0067	30111199	K0079

TABLE C-1 (continued)

SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY
30112001	C0015	30201999	C0032	30400104	C0086	30500299	K0025
30112001	K0079	30203104	K0211	30400106	C0086	30500302	C0031
30112002	K0079	30203105	C0032	30400107	C0085	30500303	C0031
30112501	K0078	30203106	K0211	30400108	C0086	30500304	C0085
30112502	C0015	30203299	C0032	30400109	C0086	30500305	K0025
30112599	K0078	30203601	K0211	30400110	C0086	30500308	C0031
30113001	C0017	30206801	C0032	30400111	C0086	30500309	C0031
30113004	C0015	30299998	C0032	30400150	C0086	30500311	K0026
30113299	C0015	30299999	C0032	30400199	C0086	30500312	K0002
30113799	C0015	30300001	C0085	30400217	C0086	30500313	C0031
30125099	K0079	30300102	K0011	30400230	C0086	30500314	C0031
30125801	C0015	30300105	K0011	30400238	C0085	30500316	C0031
30125699	C0015	30300199	K0011	30400299	C0086	30500399	K0025
30125501	C0015	30300301	K0011	30400301	C0086	30500501	C0085
30130001	C0015	30300302	K0011	30400303	C0086	30500502	K0026
30181001	C0015	30300303	K0011	30400330	C0085	30500599	K0024
30188801	K0079	30300304	K0011	30400340	C0086	30500606	K0026
30190099	K0079	30300306	K0011	30400350	C0086	30500608	K0026
30199999	K0079	30300308	K0011	30400351	C0085	30500609	K0026
30200301	K0211	30300310	K0011	30400360	C0085	30500610	K0026
30200501	C0032	30300312	K0011	30400399	C0086	30500611	K0026
30200504	K0211	30300399	K0011	30400401	C0086	30500612	K0026
30200505	K0211	30300401	K0011	30400402	C0086	30500613	K0026
30200603	K0211	30300505	K0012	30400403	C0085	30500614	K0026
30200604	K0211	30300599	K0012	30400404	C0086	30500615	K0026
30200606	C0032	30300699	K0012	30400408	C0086	30500616	K0026
30200701	K0211	30300801	K0012	30400409	C0086	30500617	K0025
30200702	C0032	30300802	K0012	30400499	C0086	30500618	K0026
30200705	K0211	30300803	K0013	30400501	K0079	30500619	K0026
30200732	K0211	30300805	K0012	30400502	K0079	30500705	C0031
30200734	K0211	30300807	K0012	30400503	K0079	30500706	K0026
30200743	K0211	30300813	K0013	30400506	K0079	30500707	K0026
30200744	C0032	30300824	K0012	30400507	K0079	30500708	K0026
30200754	K0211	30300825	K0012	30400509	K0079	30500709	K0026
30200755	C0032	30300899	K0012	30400701	C0085	30500710	K0026
30200760	K0211	30300901	K0306	30400704	C0085	30500711	K0026
30200802	C0032	30300903	K0015	30400705	C0085	30500712	K0026
30200803	K0211	30300911	K0016	30400706	C0085	30500714	K0026
30200804	C0032	30300912	K0016	30400707	C0085	30500715	K0026
30200805	C0032	30300913	K0016	30400799	C0085	30500716	K0026
30200806	C0032	30300920	K0306	30400899	C0086	30500717	K0026
30200901	K0211	30300931	K0306	30402004	K0079	30500718	K0026
30200902	K0211	30300932	K0306	30402099	K0079	30500719	K0025
30200903	K0211	30300933	K0306	30402201	C0085	30500901	C0025
30200998	K0211	30300934	C0085	30405001	C0086	30500905	C0025
30200999	K0211	30300999	K0016	30499999	C0086	30501001	R0001
30201001	K0211	30303002	C0085	30500101	K0021	30501008	R0001
30201003	K0211	30303005	K0011	30500102	K0022	30501009	R0001
30201201	K0211	30303009	C0085	30500104	K0022	30501010	R0001
30201299	K0211	30303012	K0011	30500105	K0025	30501011	R0001
30201301	R0001	30399999	K0012	30500199	K0024	30501012	R0001
30201899	K0211	30400101	C0086	30500201	K0025	30501013	R0001
30201902	C0032	30400102	C0086	30500202	K0025	30501014	R0001
30201903	C0032	30400103	C0086	30500205	K0025	30501015	R0001

TABLE C-1 (continued)

SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY
30501024	C0031	30503099	K0024	30700101	C0025	32099199	K0060
30501099	R0001	30503101	C0031	30700103	C0025	32099996	C0090
30501107	K0025	30503104	C0031	30700104	C0025	32099999	K0060
30501108	K0025	30503105	C0031	30700106	K0211	33000101	K0060
30501110	K0025	30503107	C0031	30700199	C0025	33000102	K0060
30501111	C0031	30503110	C0031	30700221	C0025	33000103	K0060
30501120	K0031	30503202	C0031	30700299	C0025	33000199	K0060
30501201	C0031	30503203	C0031	30700301	C0025	33000201	K0060
30501203	C0031	30503204	C0031	30700401	C0025	33000202	K0060
30501204	C0031	30503205	C0031	30700402	C0025	33000203	K0060
30501205	K0024	30503206	C0031	30700499	K0149	33000299	K0068
30501215	C0031	30503299	C0031	30700501	C0025	33000399	K0060
30501299	C0031	30504023	C0086	30700701	C0025	39000199	K0217
30501399	K0025	30504025	C0031	30700702	C0025	39000201	K0217
30501401	K0025	30504030	K0211	30700703	C0025	39000203	K0217
30501403	K0211	30504034	C0031	30700799	C0025	39000299	K0217
30501404	C0031	30504099	C0031	30700804	C0025	39000402	K0001
30501406	C0031	30510002	C0031	30700899	C0025	39000403	K0001
30501408	C0031	30510003	C0031	30701199	K0096	39000406	K0001
30501410	K0211	30510004	C0031	30702099	K0053	39000499	K0001
30501411	C0031	30599999	C0031	30703001	C0025	39000501	K0002
30501499	K0025	30600101	K0029	30703002	C0025	39000502	K0002
30501503	K0025	30600102	K0003	30703099	C0025	39000599	K0002
30501601	K0025	30600103	K0001	30799999	C0025	39000608	K0003
30501602	K0025	30600104	K0003	30788801	C0025	39000690	K0003
30501603	K0211	30600105	K0003	30800101	K0272	39000699	K0003
30501604	K0211	30600201	K0029	30800102	K0274	39000701	K0217
30501605	K0211	30600301	K0029	30800105	K0274	39000702	K0005
30501606	K0211	30600401	K0029	30800106	K0273	39000797	K0217
30501607	K0025	30600402	K0053	30800107	K0274	39000798	K0005
30501608	K0025	30600501	K0031	30800108	K0272	39000799	K0217
30501610	K0025	30600502	K0053	30800197	K0079	39000801	K0005
30501611	K0025	30600503	K0188	30800198	K0272	39001099	R0001
30501614	K0025	30600504	K0188	30800199	K0067	39099997	K0003
30501616	K0025	30600602	K0031	30800699	K0272	39099999	K0003
30501699	K0025	30600603	K0029	30800799	K0067	39999999	K0089
30501701	C0086	30600701	K0035	30890245	K0274	40100101	K0085
30501899	K0025	30600702	K0035	30900001	C0005	40100102	K0086
30501902	K0211	30600801	K0316	30900199	C0086	40100103	K0085
30501903	C0031	30600802	K0047	30900201	C0005	40100104	K0086
30502001	C0031	30600803	K0321	30900205	C0005	40100105	K0088
30502002	C0031	30600804	K0039	30900299	C0005	40100199	K0087
30502003	C0031	30600805	K0031	30901001	C0005	40100201	K0086
30502004	C0031	30600806	K0029	30901099	C0005	40100202	K0087
30502005	C0031	30600807	K0029	30901102	K0016	40100203	K0085
30502006	C0031	30600901	K0051	30902099	C0085	40100204	K0275
30502007	C0031	30600999	K0051	30903001	C0005	40100205	K0271
30502008	C0031	30601101	K0053	30903002	C0005	40100206	K0090
30502009	C0031	30601201	K0038	30903003	C0005	40100207	K0086
30502010	C0031	30601613	K0029	30903004	C0035	40100225	K0271
30502011	C0031	30688801	K0038	30903005	C0005	40100299	K0089
30502101	C0031	30699698	K0053	30903099	C0005	40100306	K0277
30502501	C0031	30699998	K0053	30988601	C0005	40188801	K0088
30502601	C0031	30699999	K0029	30999999	C0085	40188898	K0085

TABLE C-1 (continued)

SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY
40191302	C0026	40200909	K0220	40290302	C0044	40300304	K0100
40191303	K0085	40200910	K0226	40290304	K0096	40300305	C0091
40191304	C0026	40200911	K0095	40290305	C0044	40300306	K0298
40199999	K0090	40200912	K0227	40290306	C0044	40300310	C0094
40200101	K0125	40200913	K0228	40290404	C0044	40300312	K0231
40200102	K0219	40200915	K0229	40290601	K0096	40300398	C0091
40200103	K0220	40200916	X0008	40290603	C0044	40300399	K0232
40200110	K0125	40200917	K0291	40290604	K0096	40301001	K0098
40200199	K0141	40200918	K0221	40290701	K0096	40301002	K0098
40200201	K0086	40200919	X0005	40290702	C0044	40301003	K0098
40200205	K0219	40200920	K0221	40290703	C0044	40301007	K0098
40200210	C0110	40200921	K0282	40290806	C0044	40301009	K0098
40200299	C0111	40200922	K0090	40290809	C0044	40301010	K0297
40200301	K0127	40200924	K0223	40299998	K0254	40301012	K0297
40200310	K0127	40200925	K0096	40299999	K0293	40301015	K0100
40200399	K0127	40200998	K0096	40300002	K0098	40301016	K0100
40200401	K0148	40201001	K0220	40300101	K0098	40301018	K0100
40200402	K0149	40201101	K0096	40300102	K0296	40301020	K0100
40200403	K0149	40201103	K0162	40300103	K0098	40301097	C0091
40200406	K0162	40201301	K0096	40300104	K0297	40301099	K0098
40200410	K0147	40201399	K0149	40300105	K0100	40301101	K0098
40200499	K0147	40201601	K0092	40300106	K0297	40301102	K0098
40200501	K0156	40201606	K0096	40300107	K0297	40301103	C0094
40200502	K0156	40201702	C0044	40300108	K0298	40301104	C0094
40200503	K0156	40201705	K0134	40300111	K0231	40301105	C0094
40200504	K0156	40201722	K0134	40300112	K0230	40301106	C0094
40200505	K0156	40201723	K0134	40301013	K0100	40301108	C0094
40200510	K0156	40201725	K0134	40301014	K0100	40301109	K0098
40200599	K0156	40201726	K0096	40300116	K0185	40301110	K0098
40200601	K0280	40201727	K0095	40301017	K0100	40301111	C0094
40200603	K0134	40201728	K0134	40301019	K0100	40301112	C0094
40200604	K0134	40201799	K0134	40301021	K0100	40301113	K0100
40200610	K0134	40201801	K0095	40300150	K0100	40301115	C0091
40200699	K0134	40201806	K0134	40300151	K0296	40301117	K0297
40200701	K0141	40201901	K0162	40300152	K0100	40301197	C0094
40200705	K0221	40202001	X0010	40300153	K0298	40301198	C0094
40200706	K0141	40202101	K0096	40300157	K0230	40301199	C0094
40200710	K0287	40202103	K0096	40300160	K0303	40301202	K0098
40200799	K0145	40202106	K0095	40300161	K0185	40301204	K0100
40200801	K0092	40202107	K0157	40300198	K0188	40301206	K0100
40200802	K0092	40202108	K0096	40300199	K0100	40301299	K0098
40200803	K0279	40202109	K0096	40300201	K0098	40302001	C0091
40200810	K0092	40202199	K0095	40300202	K0098	40309103	K0098
40200821	K0092	40202301	K0092	40300203	K0297	40388801	C0091
40200898	K0056	40202306	K0096	40300204	K0297	40399999	K0100
40200899	K0162	40202401	K0134	40300205	K0100	40400101	K0098
40200901	K0096	40202406	K0134	40300206	K0297	40400102	K0098
40200902	K0219	40202501	K0095	40300207	K0297	40400103	K0098
40200903	K0288	40202502	C0044	40300208	K0298	40400104	K0098
40200904	K0289	40202599	X0011	40300211	C0094	40400107	K0098
40200905	K0096	40288801	K0293	40300212	K0230	40400108	K0098
40200906	K0290	40290101	K0096	40300216	K0185	40400109	K0098
40200907	K0222	40290104	K0096	40300299	K0100	40400110	K0098
40200908	K0292	40290106	K0096	40300302	K0098	40400111	K0098

TABLE C-1 (continued)

SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY	SCC	PROFILE KEY
40400112	C0094	40600132	K0297	50190006	C0051	99999923	K0121
40400113	C0094	40600133	K0100	50190010	C0051	99999924	X0002
40400114	C0094	40600134	K0098	50200101	K0122	99999925	X0002
40400116	C0094	40600135	K0098	50200102	K0121	99999926	X0002
40400118	K0098	40600136	K0098	50200103	K0121	99999927	X0002
40400119	C0091	40600137	K0297	50200104	C0051	99999928	X0002
40400153	C0091	40600138	K0100	50200105	C0051	99999929	X0002
40400156	C0091	40600140	K0100	50200106	K0003	99999930	C0038
40400161	C0091	40600141	K0098	50200201	K0121	99999931	C0034
40400199	K0098	40600143	K0100	50200301	C0051	99999932	C0034
40400201	K0098	40600144	C0010	50200399	K0121	99999933	K0330
40400202	K0098	40600146	K0100	50200505	K0202	99999934	C0004
40400204	C0091	40600148	K0297	50200506	K0203	99999935	C0020
40400205	K0098	40600147	C0010	50200599	K0121	99999936	C0020
40400207	K0098	40600151	C0010	50290005	K0121	99999937	C0020
40400212	K0098	40600197	C0010	50290006	K0003	99999938	C0120
40400250	K0098	40600198	C0010	50300101	K0122	99999939	C0120
40401199	C0091	40600199	C0010	50300102	C0051	99999940	C0121
40401999	C0091	40600236	K0305	50300103	C0051	99999941	X0007
40499999	C0091	40600240	K0305	50300104	K0121	99999942	X0006
40500101	K0334	40600241	K0305	50300105	C0051	99999943	K0307
40500199	K0334	40600243	K0297	50300106	K0121	99999944	K0121
40500201	K0334	40600244	K0100	50300108	C0051	99999945	K0121
40500202	K0096	40600246	K0100	50300201	K0121	99999946	K0121
40500203	K0283	40600248	K0297	50300202	K0121	99999947	K0089
40500299	K0166	40600249	K0100	50300203	C0051	99999948	K0089
40500301	K0172	40600251	K0100	50300506	K0121	99999949	K0089
40500303	K0250	40600253	K0305	50300599	K0122	99999950	K0089
40500304	K0226	40600301	C0010	50390006	C0051	99999951	K0089
40500305	K0172	40600302	C0010	50390010	C0051	99999952	K0089
40500306	K0172	40600303	C0010	59999999	C0116	99999953	K0089
40500307	K0282	40600305	C0010	60199998	K0195	99999954	K0089
40500311	K0172	40600306	C0010	99999901	R0001		
40500401	K0333	40600307	C0010	99999902	R0001		
40500499	K0333	40600399	C0010	99999903	K0002		
40500501	K0181	40600401	C0010	99999904	K0003		
40500503	K0220	40600402	C0010	99999905	K0121		
40500506	K0221	40600403	C0010	99999906	R0001		
40500507	K0221	40600499	C0010	99999907	R0001		
40500510	K0095	40688801	K0305	99999908	K0002		
40500511	K0181	40999999	C0010	99999909	K0001		
40500598	K0182	49000105	K0027	99999910	K0003		
40500599	K0182	49000199	K0089	99999911	K0121		
40500601	X0012	49000295	X0003	99999912	R0001		
40560101	C0113	49099999	X0003	99999913	R0001		
40588801	K0182	50100101	K0122	99999914	K0002		
40600101	C0010	50100102	K0122	99999915	K0001		
40600104	K0100	50100199	C0051	99999916	K0003		
40600105	K0100	50100201	K0121	99999917	K0121		
40600125	C0010	50100202	K0121	99999918	C0051		
40600127	C0010	50100506	K0203	99999919	C0051		
40600129	C0010	50100507	C0051	99999920	C0051		
40600130	K0100	50100599	K0122	99999921	K0121		
40600131	K0098	50190005	C0051	99999922	K0121		

TABLE C-2. NAPAP EMISSION INVENTORY VOC SPECIES PROFILE FILE

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C0004     90.00  10.00    5.16  C0004                                  2
C0004  43201           1.96      16.04  METHANE                       13
C0004  43203           6.15      28.05  ETHYLENE                      23
C0004  43205           1.71      42.08  PROPYLENE                     33
C0004  43206           0.65      26.04  ACETYLENE                     43
C0004  43215           0.89      56.12  ISOBUTYLENE                   53
C0004  43224           3.79      70.14  1-PENTENE                     63
C0004  43232           0.23     100.21  N-HEPTANE                     73
C0004  43235           1.30     128.26  N-NONANE                      83
C0004  43238           1.93     142.29  N-DECANE                      93
C0004  43241           4.06     156.32  N-UNDECANE                   103
C0004  43255           7.32     170.34  N-DODECANE                   113
C0004  43258           6.04     184.37  N-TRIDECANE                  123
C0004  43259           6.50     198.40  N-TETRADECANE                133
C0004  43260           6.00     212.42  N-PENTADECANE                143
C0004  43281           5.37     226.45  N-HEXADECANE                 153
C0004  43282           3.80     240.48  N-HEPTADECANE                163
C0004  43283           3.16     254.51  N-OCTADECANE                 173
C0004  43284           2.43     268.53  N-NONADECANE                 183
C0004  43285           2.55     282.56  N-EICOSANE                   193
C0004  43286           1.34     296.59  N-HENEICOSANE                203
C0004  43287           0.70     310.61  N-DOCOSANE                   213
C0004  43502           5.16      30.03  FORMALDEHYDE                 223
C0004  43503          14.80      44.05  ACETALDEHYDE                 233
C0004  45202           0.21      92.15  TOLUENE                      243
C0004  45207           0.27     120.19  1,3,5-TRIMETHYLBENZENE       253
C0004  45221          11.42     118.15  A-METHYLSTYRENE              263
C0005      00.00  00.00  09.36      C0005                              2
C0005  43105            .42      86.18  ISOMERS OF HEXANE             13
C0005  43106            .11     100.21  ISOMERS OF HEPTANE            23
C0005  43107            .20     114.23  ISOMERS OF OCTANE             33
C0005  43122           2.05      72.15  ISOMERS OF PENTANE            43
C0005  43201          27.77      16.04  METHANE                       53
C0005  43202            .03      30.07  ETHANE                        63
C0005  43204           1.30      44.09  PROPANE                       73
C0005  43205           3.97      42.08  PROPYLENE                     83
C0005  43206            .51      26.04  ACETYLENE                     93
C0005  43212           2.59      58.12  N-BUTANE                     103
C0005  43213           1.45      56.10  BUTENE                       113
C0005  43214            .21      58.12  ISOBUTANE                    123
C0005  43220           2.39      72.15  N-PENTANE                    133
C0005  43224           4.04      70.14  1-PENTENE                    143
C0005  43231            .47      86.18  N-HEXANE                     153
C0005  43232            .01     100.21  N-HEPTANE                    163
C0005  43248            .20      84.16  CYCLOHEXANE                  173
C0005  43301           1.09      32.04  METHYL ALCOHOL               183
C0005  43302            .87      46.07  ETHYL ALCOHOL                193
C0005  43304           3.18      60.09  ISOPROPYL ALCOHOL            203
C0005  43305           4.56      74.12  N-BUTYL ALCOHOL              213
C0005  43502           9.36      30.03  FORMALDEHYDE                 223
C0005  43551          13.14      58.08  ACETONE                      233
C0005  43552          13.02      72.10  METHYL ETHYL KETONE          243
C0005  43560           5.17     100.16  METHYL ISOBUTYL KETONE       253
C0005  45101            .69     114.00  NAPHTHA                      263
C0005  45201            .81      78.12  BENZENE                      273
C0005  45202            .40      92.15  TOLUENE                      283
C0010                       00.03      C0010                           2
C0010  43201          83.53      16.04  METHANE                       13
C0010  43202          10.54      30.07  ETHANE                        23
C0010  43203            .03      28.05  ETHYLENE                      33
C0010  43204           3.81      44.09  PROPANE                       43
```

TABLE C-2 (continued)

C0010	43212	.52	58.12	N-BUTANE	53
C0010	43214	.42	58.12	ISOBUTANE	63
C0010	43220	.10	72.15	N-PENTANE	73
C0010	43231	.10	86.18	N-HEXANE	83
C0010	43232	.10	100.21	N-HEPTANE	93
C0010	43248	.10	84.16	CYCLOHEXANE	103
C0010	43108	.03	128.26	ISOMERS OF NONANE	113
C0010	43109	.07	142.29	ISOMERS OF DECANE	123
C0010	43122	.10	72.15	ISOMERS OF PENTANE	133
C0010	43301	.01	32.04	METHYL ALCOHOL	143
C0010	43302	.01	46.07	ETHYL ALCOHOL	153
C0010	43304	.01	60.09	ISOPROPYL ALCOHOL	163
C0010	43502	.03	30.03	FORMALDEHYDE	173
C0010	43551	.02	58.08	ACETONE	183
C0010	43552	.02	72.10	METHYL ETHYL KETONE	193
C0010	43560	.01	100.16	METHYL ISOBUTYL KETONE	203
C0010	43617	.02	165.83	PERCHLOROETHYLENE	213
C0010	45102	.01	106.17	ISOMERS OF XYLENE	223
C0010	45202	.01	92.15	TOLUENE	233
C0015			00.48	C0015	2
C0015	43201	1.26	16.04	METHANE	13
C0015	43202	.47	30.07	ETHANE	23
C0015	43203	6.10	28.05	ETHYLENE	33
C0015	43205	3.75	42.08	PROPYLENE	43
C0015	43206	.28	26.04	ACETYLENE	53
C0015	43213	1.16	56.10	BUTENE	63
C0015	43231	7.61	86.18	N-HEXANE	73
C0015	43232	.22	100.21	N-HEPTANE	83
C0015	43233	.04	114.23	N-OCTANE	93
C0015	43105	.01	86.18	ISOMERS OF HEXANE	103
C0015	43106	.63	100.21	ISOMERS OF HEPTANE	113
C0015	43107	.06	114.23	ISOMERS OF OCTANE	123
C0015	43248	3.89	84.16	CYCLOHEXANE	133
C0015	43115	5.66	98.19	C-7 CYCLOPARAFFINS	143
C0015	43116	.76	112.23	C-8 CYCLOPARAFFINS	153
C0015	43118	1.47	114.00	MINERAL SPIRITS	163
C0015	43120	2.52	56.10	ISOMERS OF BUTENE	173
C0015	43301	1.59	32.04	METHYL ALCOHOL	183
C0015	43302	.44	46.07	ETHYL ALCOHOL	193
C0015	43304	.92	60.09	ISOPROPYL ALCOHOL	203
C0015	43305	.37	74.12	N-BUTYL ALCOHOL	213
C0015	43367	.42	62.07	GLYCOL ETHER	223
C0015	43368	.34	62.07	GLYCOL	233
C0015	43433	.52	88.10	ETHYL ACETATE	243
C0015	43435	.18	116.16	N-BUTYL ACETATE	253
C0015	43438	.23	100.11	ETHYL ACRYLATE	263
C0015	43444	.02	104.00	ISOPRORYL ACETATE	273
C0015	43502	.48	30.03	FORMALDEHYDE	283
C0015	43503	.20	44.05	ACETALEHYDE	293
C0015	43510	.23	72.12	BUTYRALDEHYDE	303
C0015	43551	21.45	58.08	ACETONE	313
C0015	43552	1.03	72.10	METHYL ETHYL KETONE	323
C0015	43560	.41	100.16	METHYL ISOBUTYL KETONE	333
C0015	43601	1.30	44.05	ETHYLENE OXIDE	343
C0015	43602	.40	58.08	PROPYLENE OXIDE	353
C0015	43704	.85	55.06	ACRYLONITRILE	363
C0015	43801	.25	50.49	METHYL CHLORIDE	373
C0015	43812	2.04	64.52	ETHYL CHLORIDE	383
C0015	43815	7.00	99.00	ETHYLENE DICHLORIDE	393
C0015	43817	3.65	165.83	PERCHLOROETHYLENE	403
C0015	43819	.01	173.85	METHYLENE BROMIDE	413
C0015	43660	.58	62.50	VINYL CHLORIDE	423

TABLE C-2 (continued)

```
C0015  45101       10.99     114.00   NAPTHA                                   433
C0015  45102         .62     106.17   ISOMERS OF XYLENE                        443
C0015  45201        3.21      78.12   BENZENE                                  453
C0015  45202        2.33      92.15   TOLUENE                                  463
C0015  45220         .96     104.16   STYRENE                                  473
C0015  45106         .01     134.22   ISOMERS OF DIETHYLBENZENE                483
C0015  45300         .57      94.11   PHENOLS                                  493
C0015  45401         .37     230.00   XYLENE BASE ACIDS                        503
C0017                               C0017                                        2
C0017  43000      100.00      86.00   UNIDENTIFIED HYDROCARBONS                 13
C0020      97.00   3.00  00.00    C0020                                          2
C0020  43202        1.86      30.07   ETHANE                                    13
C0020  43206        0.23      26.04   ACETYLENE                                 23
C0020  43235       24.98     128.26   N-NONANE                                  33
C0020  43290       19.87     113.24   C8 OLEFIN UNK                             43
C0020  43513       11.35      29.00   ALDEHYDE                                  53
C0020  45102       15.04     106.17   ISOMERS OF XYLENE                         63
C0020  45201        0.69      78.12   BENZENE                                   73
C0020  45215        4.75     134.22   TERT-BUTYLBENZENE                         83
C0020  45104       15.97     120.19   ISOMERS OF ETHYLTOLUENE                   93
C0020  45233        5.25     219.50   TRI/TETRAALKYL BENZENE                   103
C0024                  00.00     C0024                                           2
C0024  43204        1.80      44.09   PROPANE                                   13
C0024  43212        4.40      58.12   N-BUTANE                                  23
C0024  43214        1.40      58.12   ISOBUTANE                                 33
C0024  43220        3.20      72.15   N-PENTANE                                 43
C0024  43231        3.70      66.18   N-HEXANE                                  53
C0024  43105        8.10      86.18   ISOMERS OF HEXANE                         63
C0024  43115       15.40      98.19   C-7 CYCLOPARAFFINS                        73
C0024  43116        1.60     112.23   C-8 CYCLOPARAFFINS                        83
C0024  43118       15.00     114.00   MINERAL SPIRITS                           93
C0024  43122        3.10      72.15   ISOMERS OF PENTANE                       103
C0024  43819       10.00     173.85   METHYLENE BROMIDE                        113
C0024  45102       15.00     106.17   ISOMERS OF XYLENE                        123
C0024  45201       12.30      78.12   BENZENE                                  133
C0024  45202        5.00      92.15   TOLUENE                                  143
C0025                             C0025                                          2
C0025  43000      100.00      86.00   UNIDENTIFIED HYDROCARBONS                 13
C0026                  00.60    C0026                                            2
C0026  43214        5.30      58.12   ISOBUTANE                                 13
C0026  43302       36.90      46.07   ETHYL ALCOHOL                             23
C0026  43304       38.50      60.09   ISOPROPYL ALCOHOL                         33
C0026  43367        8.30      62.07   GLYCOL ETHER                              43
C0026  43369        3.20      76.00   PROPYLENE GLYCOL                          53
C0026  43435        1.30     116.16   N-BUTYL ACETATE                           63
C0026  43502         .60      30.03   FORMALDEHYDE                              73
C0026  43551        1.40      58.08   ACETONE                                   83
C0026  45101        4.50     114.00   NAPHTHA                                   93
C0031      95.00   5.00  00.42      C0031                                        2
C0031  43201       63.19      16.04   METHANE                                   13
C0031  43202        1.84      30.07   ETHANE                                    23
C0031  43203        1.55      28.05   ETHYLENE                                  33
C0031  43204        2.56      44.09   PROPANE                                   43
C0031  43205        1.41      42.08   PROPYLENE                                 53
C0031  43206         .05      26.04   ACETYLENE                                 63
C0031  43212        4.57      58.12   N-BUTANE                                  73
C0031  43213        2.10      56.10   BUTENE                                    83
C0031  43214        4.31      58.12   ISOBUTANE                                 93
C0031  43220        2.75      72.15   N-PENTANE                                103
C0031  43231        3.25      86.18   N-HEXANE                                 113
C0031  43232         .53     100.21   N-HEPTANE                                123
C0031  43105        3.39      86.18   ISOMERS OF HEXANE                        133
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TABLE C-2 (continued)

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C0031  43106          .43   100.21  ISOMERS OF HEPTANE
C0031  43107          .06   114.23  ISOMERS OF OCTANE                          143
C0031  43248          .03    84.16  CYCLOHEXANE                                153
C0031  43115         1.32    98.19  C-7 CYCLOPARAFFINS                         163
C0031  43122         2.29    72.15  ISOMERS OF PENTANE                         173
C0031  43502          .42    30.03  FORMALDEHYDE                               183
C0031  43552          .02    72.10  METHYL ETHYL KETONE                        193
C0031  45101          .30   114.00  NAPTHA                                     203
C0031  45201         3.61    78.12  BENZENE                                    213
C0031  45202          .05    92.15  TOLUENE                                    223
C0032                                                                          233
                        00.11     C0032
C0032  43201        92.36    16.04  METHANE                                      2
C0032  43203         1.37    28.05  ETHYLENE                                    13
C0032  43204          .19    44.09  PROPANE                                     23
C0032  43205          .42    42.08  PROPYLENE                                   33
C0032  43206          .13    26.04  ACETYLENE                                   43
C0032  43212          .26    58.12  N-BUTANE                                    53
C0032  43213          .42    56.10  BUTENE                                      63
C0032  43214          .13    58.12  ISOBUTANE                                   73
C0032  43220          .22    72.15  N-PENTANE                                   83
C0032  43224          .42    70.14  1-PENTENE                                   93
C0032  43231          .98    86.18  N-HEXANE                                   103
C0032  43232          .98   100.21  N-HEPTANE                                  113
C0032  43233          .97   114.23  N-OCTANE                                   123
C0032  43105          .01    86.18  ISOMERS OF HEXANE                          133
C0032  43248          .01    84.16  CYCLOHEXANE                                143
C0032  43121          .83    70.14  ISOMERS OF PENTENE                         153
C0032  43122          .12    72.15  ISOMERS OF PENTANE                         163
C0032  43502          .11    30.03  FORMALDEHYDE                               173
C0032  45201          .06    78.12  BENZENE                                    183
C0032  45202          .03    92.15  TOLUENE                                    193
C0034      90.00  10.00  05.26     C0034                                       203
C0034  43201         1.96    16.04  METHANE                                      2
C0034  43203         6.27    28.05  ETHYLENE                                    13
C0034  43205         1.74    42.08  PROPYLENE                                   23
C0034  43206         0.66    26.04  ACETYLENE                                   33
C0034  43215         0.91    56.12  ISOBUTYLENE                                 43
C0034  43224         3.87    70.14  1-PENTENE                                   53
C0034  43232         0.23   100.21  N-HEPTANE                                   63
C0034  43235         1.33   128.26  N-NONANE                                    73
C0034  43238         1.97   142.29  N-DECANE                                    83
C0034  43241         4.14   156.32  N-UNDECANE                                  93
C0034  43255         7.47   170.34  N-DODECANE                                 103
C0034  43258         6.16   184.36  N-TRIDECANE                                113
C0034  43259         6.63   198.40  N-TETRADECANE                              123
C0034  43260         6.12   212.42  N-PENTADECANE                              133
C0034  43281         5.47   226.45  N-HEXADECANE                               143
C0034  43282         3.86   240.48  N-HEPTADECANE                              153
C0034  43283         3.22   254.51  N-OCTADECANE                               163
C0034  43284         2.48   268.53  N-NONADECANE                               173
C0034  43285         2.60   282.56  N-EICOSANE                                 183
C0034  43286         1.36   296.59  N-HENEICOSANE                              193
C0034  43287         0.71   310.61  N-DOCOSANE                                 203
C0034  43502         5.26    30.03  FORMALDEHYDE                               213
C0034  43503        15.10    44.05  ACETALDEHYDE                               223
C0034  45202         0.21    92.15  TOLUENE                                    233
C0034  45207         0.28   120.19  1,3,5-TRIMETHYLBENZENE                     243
C0034  45221        11.65   118.15  A-METHYLSTYRENE                            253
C0035                                                                          263
                                   C0035
C0035  43000       100.00    86.00  UNIDENTIFIED HYDROCARBONS                    2
C0038      90.00  10.00                                                         13
                                   C0038
C0038  43201         4.22    16.04  METHANE                                      2
                                                                                13
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TABLE C-2 (continued)

C0038	43202	3.16	30.07	ETHANE	23
C0038	43203	4.75	28.05	ETHYLENE	33
C0038	43205	17.61	42.08	PROPYLENE	43
C0038	43206	5.77	26.04	ACETYLENE	53
C0038	43231	7.49	86.18	N-HEXANE	63
C0038	43232	31.99	100.21	N-HEPTANE	73
C0038	45201	2.66	78.12	BENZENE	83
C0038	45202	10.21	92.15	TOLUENE	93
C0038	45205	3.92	106.17	1,3 DIMETHYLBENZENE	103
C0038	45207	3.46	120.19	1,3,5-TRIMETHYLBENZENE	113
C0038	45212	4.44	120.19	M-ETHYLTOLUENE	123
C0038	45232	0.28	132.00	TETRAMETHYLBENZENE	133
C0040				C0040	2
C0040	43204	1.69	44.09	PROPANE	13
C0040	43212	18.76	58.12	N-BUTANE	23
C0040	43213	1.72	56.10	BUTENE	33
C0040	43214	6.25	58.12	ISOBUTANE	43
C0040	43220	10.22	72.15	N-PENTANE	53
C0040	43224	5.98	70.14	1-PENTENE	63
C0040	43231	2.56	86.18	N-HEXANE	73
C0040	43232	0.71	100.21	N-HEPTANE	83
C0040	43233	0.17	114.23	N-OCTANE	93
C0040	43235	0.04	128.26	N-NONANE	103
C0040	43105	8.90	86.18	ISOMERS OF HEXANE	113
C0040	43106	2.22	100.21	ISOMERS OF HEPTANE	123
C0040	43238	0.15	142.29	N-DECANE	133
C0040	43107	2.31	114.23	ISOMERS OF OCTANE	143
C0040	43248	2.19	84.16	CYCLOHEXANE	153
C0040	43108	0.26	128.26	ISOMERS OF NONANE	163
C0040	43115	0.25	98.19	C-7 CYCLOPARAFFINS	173
C0040	43122	27.76	72.15	ISOMERS OF PENTANE	183
C0040	45102	2.30	106.17	ISOMERS OF XYLENE	193
C0040	45201	1.18	78.12	BENZENE	203
C0040	45202	2.55	92.15	TOLUENE	213
C0040	45103	0.25	134.22	DIMETHYL ETHEL BENZENE	223
C0040	45104	0.66	120.19	ISOMERS OF ETHYLTOLUENE	233
C0040	45105	0.10	134.22	ISOMERS OF BUTYLBENZENE	243
C0040	45107	0.59	120.19	ISOMERS OF TRIMETHYLBENZENE	253
C0040	45108	0.02	120.19	ISOMERS OF PROPYLBENZENE	263
C0043				C0043	2
C0043	43107	0.58	114.23	ISOMERS OF OCTANE	13
C0043	43108	19.82	128.25	ISOMERS OF NONANE	23
C0043	43109	50.32	142.29	ISOMERS OF DECANE	33
C0043	43110	1.89	156.32	ISOMERS OF UNDECANE	43
C0043	43617	27.40	165.83	PERCHLOROETHYLENE	53
C0044				C0044	2
C0044	43201	66.50	16.04	METHANE	13
C0044	43202	5.00	30.07	ETHANE	23
C0044	43203	2.00	28.05	ETHYLENE	33
C0044	43204	3.10	44.09	PROPANE	43
C0044	43212	23.40	58.12	N-BUTANE	53
C0045				C0045	2
C0045	43204	1.69	44.09	PROPANE	13
C0045	43212	18.76	58.12	N-BUTANE	23
C0045	43213	1.72	56.10	BUTENE	33
C0045	43214	6.25	58.12	ISOBUTANE	43
C0045	43220	10.22	72.15	N-PENTANE	53
C0045	43224	5.98	70.14	1-PENTENE	63
C0045	43231	2.58	86.18	N-HEXANE	73
C0045	43232	0.71	100.21	N-HEPTANE	83
C0045	43233	0.17	114.23	N-OCTANE	93
C0045	43235	0.04	128.26	N-NONANE	103

TABLE C-2 (continued)

```
C0045  43105         8.90     86.18  ISOMERS OF HEXANE                    113
C0045  43106         2.22    100.21  ISOMERS OF HEPTANE                   123
C0045  43238         0.15    142.29  N-DECANE                             133
C0045  43107         2.31    114.23  ISOMERS OF OCTANE                    143
C0045  43248         2.19     84.16  CYCLOHEXANE                          153
C0045  43108         0.26    128.26  ISOMERS OF NONANE                    163
C0045  43115         0.25     98.19  C-7 CYCLOPARAFFINS                   173
C0045  43122        27.76     72.15  ISOMERS OF PENTANE                   183
C0045  45102         2.30    106.17  ISOMERS OF XYLENE                    193
C0045  45201         1.18     78.12  BENZENE                              203
C0045  45202         2.55     92.15  TOLUENE                              213
C0045  45103         0.25    134.22  DIMETHYL ETHYL BENZENE               223
C0045  45104         0.86    120.19  ISOMERS OF ETHYLTOLUENE              233
C0045  45105         0.10    134.22  ISOMERS OF BUTYLBENZENE              243
C0045  45107         0.59    120.19  ISOMERS OF TRIMETHYLBENZENE          253
C0045  45108         0.02    120.19  ISOMERS OF PROPYLBENZENE             263
C0047                               C0047                                   2
C0047  43107         0.80    114.23  ISOMERS OF OCTANE                     13
C0047  43108        27.30    128.26  ISOMERS OF NONANE                     23
C0047  43109        69.30    142.29  ISOMERS OF DECANE                     33
C0047  43110         2.60    156.32  ISOMERS OF UNDECANE                   43
C0049     95.00   5.00              C0049                                   2
C0049  43000       100.00     86.00  UNIDENTIFIED HYDROCARBONS             13
C0051     85.00  15.00    0.01     C0051                                    2
C0051  43201        79.54     16.04  METHANE                               13
C0051  43202         0.84     30.07  ETHANE                                23
C0051  43203         1.80     28.05  ETHYLENE                              33
C0051  43204         0.74     44.09  PROPANE                               43
C0051  43205         2.61     42.08  PROPYLENE                             53
C0051  43206         3.53     26.04  ACETYLENE                             63
C0051  43212         1.78     58.12  N-BUTANE                              73
C0051  43213         0.04     56.10  BUTENE                                83
C0051  43214         0.33     58.12  ISOBUTANE                             93
C0051  43220         0.02     72.15  N-PENTANE                            103
C0051  43224         0.04     70.14  1-PENTENE                            113
C0051  43231         0.09     86.18  N-HEXANE                             123
C0051  43232         0.09    100.21  N-HEPTANE                            133
C0051  43233         0.09    114.23  N-OCTANE                             143
C0051  43121         0.08     70.14  ISOMERS OF PENTENE                   153
C0051  43122         0.01     72.15  ISOMERS OF PENTANE                   163
C0051  43502         0.01     30.03  FORMALDEHYDE                         173
C0051  43551         6.87     58.08  ACETONE                              183
C0051  45201         1.49     78.12  BENZENE                              193
C0081     94.00   6.00   01.81     C0051                                    2
C0081  43201        75.40     16.04  METHANE                               13
C0081  43202         9.91     30.07  ETHANE                                23
C0081  43203          .99     28.05  ETHYLENE                              33
C0081  43204         9.91     44.09  PROPANE                               43
C0081  43212          .99     58.12  N-BUTANE                              53
C0061  43214          .99     58.12  ISOBUTANE                             63
C0081  43502         1.81     30.03  FORMALDEHYDE                          73
C0085     85.00  15.00   00.06     C0085                                    2
C0085  43201        53.97     16.04  METHANE                               13
C0085  43202         5.25     30.07  ETHANE                                23
C0085  43203        16.00     28.05  ETHYLENE                              33
C0085  43204          .58     44.09  PROPANE                               34
C0085  43205         1.79     42.08  PROPYLENE                             43
C0085  43206         1.46     26.04  ACETYLENE                             53
C0085  43212          .07     58.12  N-BUTANE                              63
C0085  43213          .63     56.10  BUTENE                                73
C0085  43218          .30     54.09  1,3-BUTADIENE                         83
C0085  43220          .04     72.15  N-PENTANE                             93
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TABLE C-2 (continued)

C0085	43231	.26	86.18	N-HEXANE	103
C0085	43232	1.33	100.21	N-HEPTANE	113
C0085	43233	.03	114.23	N-OCTANE	123
C0085	43235	.01	128.26	N-NONANE	133
C0085	43105	.01	86.18	ISOMERS OF HEXANE	143
C0085	43248	.01	84.16	CYCLOHEXANE	153
C0085	43108	.01	128.26	ISOMERS OF NONANE	163
C0085	43116	.02	112.23	C-8 CYCLOPARAFFINS	173
C0085	43122	.07	72.15	ISOMERS OF PENTANE	183
C0085	43502	.06	30.03	FORMALDEHYDE	193
C0085	43822	2.60	93.19	TRIMETHYLFLUOROSILANE	203
C0085	45201	12.96	78.12	BENZENE	213
C0085	45202	.57	92.15	TOLUENE	223
C0086		17.96		C0086	2
C0086	43201	36.70	16.04	METHANE	13
C0086	43204	2.13	44.09	PROPANE	23
C0086	43212	7.61	58.12	N-BUTANE	33
C0086	43214	1.21	58.12	ISOBUTANE	43
C0086	43220	4.06	72.15	N-PENTANE	53
C0086	43231	4.97	86.18	N-HEXANE	63
C0086	43232	12.48	100.21	N-HEPTANE	73
C0086	43105	1.98	86.18	ISOMERS OF HEXANE	83
C0086	43106	.77	100.21	ISOMERS OF HEPTANE	93
C0086	43107	1.39	114.23	ISOMERS OF OCTANE	103
C0086	43248	.44	84.16	CYCLOHEXANE	113
C0086	43122	5.63	72.15	ISOMERS OF PENTANE	123
C0086	43502	17.96	30.03	FORMALDEHYDE	133
C0086	45201	1.78	78.12	BENZENE	143
C0086	45202	.89	92.15	TOLUENE	153
C0090		11.29		C0090	2
C0090	43105	1.03	86.18	ISOMERS OF HEXANE	13
C0090	43106	.48	100.21	ISOMERS OF HEPTANE	23
C0090	43107	.18	114.23	ISOMERS OF OCTANE	33
C0090	43108	.13	128.25	ISOMERS OF NONANE	43
C0090	43109	.09	142.29	ISOMERS OF DECANE	53
C0090	43115	.23	98.19	C-7 CYCLOPARAFFINS	63
C0090	43116	.06	112.23	C-8 CYCLOPARAFFINS	73
C0090	43117	.03	126.26	C-9 CYCLOPARAFFINS	83
C0090	43122	1.40	72.15	ISOMERS OF PENTANE	93
C0090	43201	9.05	16.04	METHANE	103
C0090	43202	14.96	30.07	ETHANE	113
C0090	43203	.13	28.05	ETHYLENE	123
C0090	43204	15.29	44.09	PROPANE	133
C0090	43205	11.90	42.08	PROPYLENE	143
C0090	43206	.01	26.04	ACETYLENE	153
C0090	43212	21.11	58.12	N-BUTANE	163
C0090	43213	.06	56.10	BUTENE	173
C0090	43214	4.73	58.12	ISOBUTANE	183
C0090	43220	1.23	72.15	N-PENTANE	193
C0090	43231	1.73	86.18	N-HEXANE	203
C0090	43232	.23	100.21	N-HEPTANE	213
C0090	43233	.48	114.23	N-OCTANE	223
C0090	43235	.08	128.25	N-NONANE	233
C0090	43238	.06	142.29	N-DECANE	243
C0090	43248	.02	84.16	CYCLOHEXANE	253
C0090	43502	11.29	30.03	FORMALDEHYDE	263
C0090	43551	3.61	58.08	ACETONE	273
C0090	45102	.10	106.17	ISOMERS OF XYLENE	283
C0090	45201	.11	78.12	BENZENE	293
C0090	45202	.18	92.15	TOLUENE	303
C0091		00.05		C0091	2
C0091	43105	.83	86.18	ISOMERS OF HEXANE	13

TABLE C-2 (continued)

C0091	43106	.39	100.21	ISOMERS OF HEPTANE	23
C0091	43107	1.08	114.23	ISOMERS OF OCTANE	33
C0091	43108	6.85	128.26	ISOMERS OF NONANE	43
C0091	43109	17.31	142.29	ISOMERS OF DECANE	53
C0091	43110	.64	156.32	ISOMERS OF UNDECANE	63
C0091	43115	.48	98.19	C-7 CYCLOPARAFFINS	73
C0091	43122	6.70	72.15	ISOMERS OF PENTANE	83
C0091	43201	1.74	16.04	METHANE	93
C0091	43202	.54	30.07	ETHANE	103
C0091	43203	.02	28.05	ETHYLENE	113
C0091	43204	1.27	44.09	PROPANE	123
C0091	43205	.01	42.08	PROPYLENE	133
C0091	43212	5.01	58.12	N-BUTANE	143
C0091	43213	.05	56.10	BUTENE	153
C0091	43214	2.02	58.12	ISOBUTANE	163
C0091	43220	3.52	72.15	N-PENTANE	173
C0091	43224	.17	70.14	1-PENTENE	183
C0091	43231	3.51	86.18	N-HEXANE	193
C0091	43232	.41	100.21	N-HEPTANE	203
C0091	43233	.18	114.23	N-OCTANE	213
C0091	43248	1.61	84.16	CYCLOHEXANE	223
C0091	43301	2.94	32.04	METHYL ALCOHOL	233
C0091	43302	3.24	46.07	ETHYL ALCOHOL	243
C0091	43304	3.38	60.09	ISOPROPYL ALCOHOL	253
C0091	43306	.30	74.12	ISOBUTYL ALCOHOL	263
C0091	43432	.04	74.08	METHYL ACETATE	273
C0091	43433	.49	88.10	ETHYL ACETATE	283
C0091	43502	.05	30.03	FORMALDEHYDE	293
C0091	43551	7.14	58.08	ACETONE	303
C0091	43552	6.68	72.10	METHYL ETHYL KETONE	313
C0091	43560	3.40	100.16	METHYL ISOBUTYL KETONE	323
C0091	43815	.05	99.00	ETHYLENE DICHLORIDE	333
C0091	43817	5.83	165.83	PERCHLOROETHYLENE	343
C0091	45104	.01	120.19	ISOMERS OF ETHYLTOLUENE	353
C0091	45201	1.67	78.12	BENZENE	363
C0091	45202	6.05	92.15	TOLUENE	373
C0091	45221	4.39	118.15	A-METHYLSTYRENE	383
C0091	45107	.01	120.19	ISOMERS OF TRIMETHYLBENZENE	393
C0094				C0094	2
C0094	43105	8.90	86.18	ISOMERS OF HEXANE	13
C0094	43106	2.00	100.21	ISOMERS OF HEPTANE	23
C0094	43107	1.90	114.23	ISOMERS OF OCTANE	33
C0094	43108	.20	128.26	ISOMERS OF NONANE	43
C0094	43115	.20	98.19	C-7 CYCLOPARAFFINS	53
C0094	43122	29.00	72.15	ISOMERS OF PENTANE	63
C0094	43204	1.80	44.09	PROPANE	73
C0094	43212	19.80	58.12	N-BUTANE	83
C0094	43213	1.80	56.10	BUTENE	93
C0094	43214	6.60	58.12	ISOBUTANE	103
C0094	43220	10.60	72.15	N-PENTANE	113
C0094	43224	6.20	70.14	1-PENTENE	123
C0094	43231	2.50	86.18	N-HEXANE	133
C0094	43232	.60	100.21	N-HEPTANE	143
C0094	43233	.10	114.23	N-OCTANE	153
C0094	43248	2.10	84.16	CYCLOHEXANE	163
C0094	45102	1.60	106.17	ISOMERS OF XYLENE	173
C0094	45103	.40	134.22	DIMETHYLETHYLBENZENE	183
C0094	45104	.50	120.19	ISOMERS OF ETHYLTOLUENE	193
C0094	45201	1.10	78.12	BENZENE	203
C0094	45202	2.10	92.15	TOLUENE	213
C0101				C0101	2
C0101	43204	1.80	44.09	PROPANE	13

TABLE C-2 (continued)

C0101	43212	19.80	58.12	N-BUTANE	23
C0101	43213	1.80	56.10	BUTENE	33
C0101	43214	6.60	58.12	ISOBUTANE	43
C0101	43220	10.60	72.15	N-PENTANE	53
C0101	43224	6.20	70.14	1-PENTENE	63
C0101	43231	2.50	86.18	N-HEXANE	73
C0101	43232	0.60	100.21	N-HEPTANE	83
C0101	43233	0.10	114.23	N-OCTANE	93
C0101	43105	8.90	86.18	ISOMERS OF HEXANE	103
C0101	43106	2.00	100.21	ISOMERS OF HEPTANE	113
C0101	43107	1.90	114.23	ISOMERS OF OCTANE	123
C0101	43248	2.10	84.16	CYCLOHEXANE	133
C0101	43108	0.20	128.26	ISOMERS OF NONANE	143
C0101	43115	0.20	98.19	C-7 CYCLOPARAFFINS	153
C0101	43122	29.00	72.15	ISOMERS OF PENTANE	163
C0101	45102	1.60	106.17	ISOMERS OF XYLENE	173
C0101	45201	1.10	78.12	BENZENE	183
C0101	45202	2.10	92.15	TOLUENE	193
C0101	45103	0.10	134.22	DIMETHYL ETHEL BENZENE	203
C0101	45104	0.50	120.19	ISOMERS OF ETHYLTOLUENE	213
C0101	45107	0.30	120.19	ISOMERS OF TRIMETHYLBENZENE	223
C0103				C0103	2
C0103	43201	2.54	16.04	METHANE	13
C0103	43202	0.63	30.07	ETHANE	23
C0103	43204	3.04	44.09	PROPANE	33
C0103	43212	8.52	58.12	N-BUTANE	43
C0103	43214	4.09	58.12	ISOBUTANE	53
C0103	43220	6.47	72.15	N-PENTANE	63
C0103	43231	3.74	86.18	N-HEXANE	73
C0103	43232	0.95	100.21	N-HEPTANE	83
C0103	43233	0.64	114.23	N-OCTANE	93
C0103	43105	1.90	86.18	ISOMERS OF HEXANE	103
C0103	43106	1.27	100.21	ISOMERS OF HEPTANE	113
C0103	43107	2.13	114.23	ISOMERS OF OCTANE	123
C0103	43248	0.63	84.16	CYCLOHEXANE	133
C0103	43108	6.62	128.25	ISOMERS OF NONANE	143
C0103	43109	16.06	142.29	ISOMERS OF DECANE	153
C0103	43110	0.58	156.32	ISOMERS OF UNDECANE	163
C0103	43122	5.59	72.15	ISOMERS OF PENTANE	173
C0103	43301	3.24	32.04	METHYL ALCOHOL	183
C0103	43302	3.24	46.07	ETHYL ALCOHOL	193
C0103	43304	3.29	60.09	ISOPROPYL ALCOHOL	203
C0103	43551	5.78	58.08	ACETONE	213
C0103	43552	5.78	72.10	METHYL ETHYL KETONE	223
C0103	43560	2.98	100.16	METHYL ISOBUTYL KETONE	233
C0103	43617	5.78	165.83	PERCHLOROETHYLENE	243
C0103	45102	2.31	106.17	ISOMERS OF XYLENE	253
C0103	45202	2.31	92.15	TOLUENE	263
C0110				C0110	2
C0110	43231	20.70	86.18	N-HEXANE	13
C0110	43248	20.70	84.16	CYCLOHEXANE	23
C0110	43301	3.90	32.04	METHYL ALCOHOL	33
C0110	43302	.60	46.07	ETHYL ALCOHOL	43
C0110	43304	16.40	60.09	ISOPROPYL ALCOHOL	53
C0110	43305	1.60	74.12	N-BUTYL ALCOHOL	63
C0110	43306	.60	74.12	ISOBUTYL ALCOHOL	73
C0110	43369	.80	76.00	PROPYLENE GLYCOL	83
C0110	43370	.60	62.07	ETHYLENE GLYCOL	93
C0110	43435	2.50	116.16	N-BUTYL ACETATE	103
C0110	43443	1.30	90.00	CELLOSOLVE ACETATE	113
C0110	43446	1.50	116.16	ISOBUTYL ACETATE	123
C0110	43450	.50	73.09	DIMETHYLFORMAMIDE	133

TABLE C-2 (continued)

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C0110  43451        6.10     144.21   ISOBUTYL ISOBUTYRATE                 143
C0110  43551        3.20      58.08   ACETONE                              153
C0110  43552        5.60      72.10   METHYL ETHYL KETONE                  163
C0110  43559         .70     100.16   METHYL N-BUTYL KETONE                173
C0110  43560         .60     100.16   METHYL ISOBUTYL KETONE               183
C0110  45102        2.60     106.17   ISOMERS OF XYLENE                    193
C0110  45202        5.20      92.15   TOLUENE                              203
C0110  45203        4.30     106.17   ETHYLBENZENE                         213
C0111                               C0111                                    2
C0111  43231         .70      86.18   N-HEXANE                              13
C0111  43248       20.70      84.16   CYCLOHEXANE                           23
C0111  43301        3.90      32.04   METHYL ALCOHOL                        33
C0111  43302         .60      46.07   ETHYL ALCOHOL                         43
C0111  43304       16.40      60.09   ISOPROPYL ALCOHOL                     53
C0111  43305        1.60      74.12   N-BUTYL ALCOHOL                       63
C0111  43306         .60      74.12   ISOBUTYL ALCOHOL                      73
C0111  43369         .80      76.00   PROPYLENE GLYCOL                      83
C0111  43370         .60      62.07   ETHYLENE GLYCOL                       93
C0111  43435        2.50     116.16   N-BUTYL ACETATE                      103
C0111  43443        1.30      90.00   CELLOSOVE ACETATE                    113
C0111  43446        1.50     116.16   ISOBUTYL ACETATE                     123
C0111  43450         .50      73.09   DIMETHYLFORMAMIDE                    133
C0111  43451        6.10     144.21   ISOBUTYLISOBUTYRATE                  143
C0111  43551        3.20      58.08   ACETONE                              153
C0111  43552        5.60      72.10   METHYL ETHYL KETONE                  163
C0111  43559         .70     100.16   METHYL N-BUTYL KETONE                173
C0111  43560         .60     100.16   METHYL ISOBUTYL KETONE               183
C0111  45102        2.60     106.17   ISOMERS OF XYLENE                    193
C0111  45202        5.20      92.15   TOLUENE                              203
C0111  45203        4.30     106.17   ETHYLBENZENE                         213
C0113                    09.17     C0113                                     2
C0113  43201       38.66      16.04   METHANE                               13
C0113  43202        8.20      30.07   ETHANE                                23
C0113  43203        1.24      28.05   ETHYLENE                              33
C0113  43204        2.87      44.09   PROPANE                               43
C0113  43205       14.27      42.08   PROPYLENE                             53
C0113  43212        8.45      58.12   N-BUTANE                              63
C0113  43213        5.77      56.10   BUTENE                                73
C0113  43214        1.37      58.12   ISOBUTANE                             83
C0113  43224        5.01      70.14   1-PENTENE                             93
C0113  43304         .11      60.09   ISOPROPYL ALCOHOL                    103
C0113  43502        9.17      30.03   FORMALDEHYDE                         113
C0113  43802        4.89      84.94   DICHLOROMETHANE                      123
C0116     85.00  15.00                 C0116                                 2
C0116  43201       70.00      16.04   METHANE                               13
C0116  43202       20.00      30.07   ETHANE                                23
C0116  43302        2.00      46.07   ETHYL ALCOHOL                         33
C0116  43304        2.00      60.09   ISOPROPYL ALCOHOL                     43
C0116  43434        2.00     102.13   PROPYL ACETATE                        53
C0116  43551        2.00      58.08   ACETONE                               63
C0116  43721        1.00      45.09   ETHYLAMINE                            73
C0116  43740        1.00      59.11   TRIMETHYLAMINE                        83
C0120     97.00   3.00  00.12      C0120                                     2
C0120  43201       11.00      16.04   METHANE                               13
C0120  43212       14.00      58.12   N-BUTANE                              23
C0120  43231        5.00      86.18   N-HEXANE                              33
C0120  43502         .12      30.03   FORMALDEHYDE                          43
C0120  43551       28.00      58.08   ACETONE                               53
C0121     95.00   5.00                 C0121                                 2
C0121  43201        4.22      16.04   METHANE                               13
C0121  43202        3.16      30.07   ETHANE                                23
C0121  43203        4.75      28.05   ETHYLENE                              33
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TABLE C-2 (continued)

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C0121  43205      17.61     42.08  PROPYLENE                          43
C0121  43206       5.77     26.04  ACETYLENE                          53
C0121  43231       7.49     86.18  N-HEXANE                           63
C0121  43232      31.99    100.21  N-HEPTANE                          73
C0121  45201       2.66     78.12  BENZENE                            83
C0121  45202      10.21     92.15  TOLUENE                            93
C0121  45205       3.92    106.17  1,3 DIMETHYLBENZENE               103
C0121  45207       3.48    120.19  1,3,5-TRIMETHYLBENZENE            113
C0121  45212       4.44    120.19  M-ETHYLTOLUENE                    123
C0121  45232       0.28    132.00  TETRAMETHYLBENZENE                133
K0001     98.00  2.00  42.00     101004                                2
K0001  43212      14.00     58.12  N-BUTANE                           13
K0001  43231       5.00     86.18  N-HEXANE                           23
K0001  43502      42.00     30.03  FORMALDEHYDE                       33
K0001  43551      28.00     58.08  ACETONE                            43
K0001  43201      11.00     16.04  METHANE                            53
K0002     98.00  2.00  48.70     101005                                2
K0002  43105       5.20     66.18  ISOMERS OF HEXANE                  13
K0002  43106       2.60    100.21  ISOMERS OF HEPTANE                 23
K0002  43107       4.70    114.23  ISOMERS OF OCTANE                  33
K0002  43122       5.50     72.15  ISOMERS OF PENTANE                 43
K0002  43204       1.20     44.09  PROPANE                            53
K0002  43212      12.20     58.12  N-BUTANE                           63
K0002  43214       4.10     58.12  ISOBUTANE                          73
K0002  43220       4.70     72.15  N-PENTANE                          83
K0002  43231      10.80     86.19  N-HEXANE                           93
K0002  43232        .30    100.21  N-HEPTANE                         103
K0002  43502      48.70     30.03  FORMALDEHYDE                      113
K0003     95.00  5.00   8.00     101006                                2
K0003  43105       1.00     86.18  ISOMERS OF HEXANE                  13
K0003  43122       9.00     72.15  ISOMERS OF PENTANE                 23
K0003  43204       4.00     44.09  PROPANE                            33
K0003  43212       9.00     58.12  N-BUTANE                           43
K0003  43220       6.00     72.15  N-PENTANE                          53
K0003  43248       1.00     84.16  CYCLOHEXANE                        63
K0003  45202       2.00     92.15  TOLUENE                            73
K0003  43502       8.00     30.03  FORMALDEHYDE                       63
K0003  43201      56.00     16.04  METHANE                            93
K0003  45201       4.00     78.12  BENZENE                           103
K0004     95.00  5.00   7.60     101007                                2
K0004  43204      18.90     44.09  PROPANE                            13
K0004  43212      23.10     58.12  N-BUTANE                           23
K0004  43214       4.40     58.12  ISOBUTANE                          33
K0004  43205      17.50     42.08  PROPYLENE                          43
K0004  43502       7.60     30.03  FORMALDEHYDE                       53
K0004  43201       7.60     16.04  METHANE                            63
K0004  43202      20.90     30.07  ETHANE                             73
K0005     97.00  3.00                102008                            2
K0005  43203      11.70     28.05  ETHYLENE                           13
K0005  43205        .30     42.08  PROPYLENE                          23
K0005  43206        .80     26.04  ACETYLENE                          33
K0005  43201      82.80     16.04  METHANE                            43
K0005  43202       2.50     30.07  ETHANE                             53
K0005  45201       1.90     78.12  BENZENE                            63
K0007     94.00  6.00  30.00     201002                                2
K0007  43502      30.00     30.03  FORMALDEHYDE                       13
K0007  43201      70.00     16.04  METHANE                            23
K0008     95.00  5.00  00.00     201003                                2
K0008  43201      11.60     16.04  METHANE                            13
K0008  43202       2.80     30.07  ETHANE                             23
K0008  43203      28.70     28.05  ETHYLENE                           33
K0006  43205      17.30     42.08  PROPYLENE                          43
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TABLE C-2 (continued)

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K0008  43206        11.30      26.04  ACETYLENE                                        53
K0008  43213        13.40      56.10  BUTENE                                           63
K0008  43218         7.00      54.09  1,3 BUTADIENE                                    73
K0008  45201         7.90      78.12  BENZENE                                          83
K0009     90.00  10.00               202001                                             2
K0009  43203        28.70      28.05  ETHYLENE                                         13
K0009  43205        17.30      42.08  PROPYLENE                                        23
K0009  43213        13.40      56.10  BUTENE                                           33
K0009  43218         7.00      54.09  1,3-BUTADIENE                                    43
K0009  43206        11.30      26.04  ACETYLENE                                        53
K0009  43201        11.60      16.04  METHANE                                          63
K0009  43202         2.80      30.07  ETHANE                                           73
K0009  45201         7.90      78.12  BENZENE                                          83
K0010     94.00   6.00  01.00    202002A                                                2
K0010  43204        10.00      44.09  PROPANE                                          13
K0010  43212         1.00      58.12  N-BUTANE                                         23
K0010  43214         1.00      58.12  ISOBUTANE                                        33
K0010  43203         1.00      28.05  ETHYLENE                                         43
K0010  43502         1.00      30.03  FORMALDEHYDE                                     53
K0010  43201        76.00      16.04  METHANE                                          63
K0010  43202        10.00      30.07  ETHANE                                           73
K0011     95.00   5.00  00.00    303003                                                 2
K0011  43204          .50      44.09  PROPANE                                          13
K0011  43203        27.70      28.05  ETHYLENE                                         23
K0011  43205         1.90      42.08  PROPYLENE                                        33
K0011  43213          .10      56.10  BUTENE                                           43
K0011  43218          .50      54.09  1,3-BUTADIENE                                    53
K0011  45202          .70      92.15  TOLUENE                                          63
K0011  43206         1.20      26.04  ACETYLENE                                        73
K0011  43201        45.30      16.04  METHANE                                          83
K0011  43202         8.00      30.07  ETHANE                                           93
K0011  45201        14.10      78.12  BENZENE                                         103
K0012     95.00   5.00  00.00    303008A                                                2
K0012  43822        84.20      93.19  TRIMETHYLFLUOROSILANE                            13
K0012  43201        15.80      16.04  METHANE                                          23
K0013     95.00   5.00               303008B                                            2
K0013  43203         5.90      28.05  ETHYLENE                                         13
K0013  43205         3.00      42.08  PROPYLENE                                        23
K0013  43206        14.80      26.04  ACETYLENE                                        33
K0013  43201        73.30      16.04  METHANE                                          43
K0013  43202         3.00      30.07  ETHANE                                           53
K0016     95.00   5.00               303009C                                            2
K0016  43204        39.90      44.09  PROPANE                                          13
K0016  43822        49.00      93.19  TRIMETHYLFLUOROSILANE                            23
K0016  43201        11.10      16.04  METHANE                                          33
K0021     00.00  00.00  02.50    305001A                                                2
K0021  43105         1.80      86.18  ISOMERS OF HEXANE                                13
K0021  43106         3.60     100.21  ISOMERS OF HEPTANE                               23
K0021  43231         1.80      86.18  N-HEXANE                                         33
K0021  43232        15.80     100.21  N-HEPTANE                                        43
K0021  43233        74.50     114.23  N-OCTANE                                         53
K0021  43502         2.50      30.03  FORMALDEHYDE                                     63
K0022     00.00  00.00  00.00    305001B                                                2
K0022  43105        12.00      86.18  ISOMERS OF HEXANE                                13
K0022  43106        11.00     100.21  ISOMERS OF HEPTANE                               23
K0022  43107         1.00     114.23  ISOMERS OF OCTANE                                33
K0022  43204        13.00      44.09  PROPANE                                          43
K0022  43212        18.00      58.12  N-BUTANE                                         53
K0022  43214         8.00      58.12  ISOBUTANE                                        63
K0022  43220        12.00      72.15  N-PENTANE                                        73
K0022  43231         2.00      86.18  N-HEXANE                                         83
K0022  43232        14.00     100.21  N-HEPTANE                                        93
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TABLE C-2 (continued)

```
K0022  43203         2.00      28.05  ETHYLENE                        103
K0022  43202         1.00      30.07  ETHANE                          113
K0024     90.00  10.00  00.00     305001D                               2
K0024  43105         3.40      86.18  ISOMERS OF HEXANE                13
K0024  43107         7.40     114.23  ISOMERS OF OCTANE                23
K0024  43115         2.90      98.19  C-7 CYCLOPARAFFINS               33
K0024  43116          .40     112.23  C-8 CYCLOPARAFFINS               43
K0024  43117         1.50     126.26  C-9 CYCLOPARAFFINS               53
K0024  43122         1.10      72.15  ISOMERS OF PENTANE               63
K0024  43204        10.20      44.09  PROPANE                          73
K0024  43212        11.60      58.12  N-BUTANE                         83
K0024  43214          .70      58.12  ISOBUTANE                        93
K0024  43220         6.30      72.15  N-PENTANE                       103
K0024  43231         4.90      86.18  N-HEXANE                        113
K0024  43232         2.00     100.21  N-HEPTANE                       123
K0024  43233         2.70     114.23  N-OCTANE                        133
K0024  43242         2.50      70.14  CYCLOPENTANE                    143
K0024  43121          .50      70.14  ISOMERS OF PENTENE              153
K0024  43203          .30      28.05  ETHYLENE                        163
K0024  43205         2.00      42.08  PROPYLENE                       173
K0024  43213         7.00      56.10  BUTENE                          183
K0024  43224         3.20      70.14  1-PENTENE                       193
K0024  45202         1.90      92.15  TOLUENE                         203
K0024  43201        21.30      16.04  METHANE                         213
K0024  43202         5.40      30.07  ETHANE                          223
K0024  45201          .80      78.12  BENZENE                         233
K0025     95.00   5.00   8.00     305002A                               2
K0025  43105         1.00      86.18  ISOMERS OF HEXANE                13
K0025  43122         9.00      72.15  ISOMERS OF PENTANE               23
K0025  43204         4.00      44.09  PROPANE                          33
K0025  43212         9.00      58.12  N-BUTANE                         43
K0025  43220         6.00      72.15  N-PENTANE                        53
K0025  43248         1.00      84.16  CYCLOHEXANE                      63
K0025  45202         2.00      92.15  TOLUENE                          73
K0025  43502         8.00      30.03  FORMALDEHYDE                     83
K0025  43201        56.00      16.04  METHANE                          93
K0025  45201         4.00      78.12  BENZENE                         103
K0026     95.00   5.00                3050023B                          2
K0026  43105         8.10      86.18  ISOMERS OF HEXANE                13
K0026  43115         3.70      98.19  C-7 CYCLOPARAFFINS               23
K0026  43122         5.70      72.15  ISOMERS OF PENTANE               33
K0026  43204         5.50      44.09  PROPANE                          43
K0026  43212        10.10      58.12  N-BUTANE                         53
K0026  43214        11.20      58.12  ISOBUTANE                        63
K0026  43220         5.30      72.15  N-PENTANE                        73
K0026  43203         2.00      28.05  ETHYLENE                         93
K0026  43205         3.90      42.08  PROPYLENE                       103
K0026  43213         5.90      56.10  BUTENE                          113
K0026  43201        15.70      16.04  METHANE                         123
K0026  43202         4.60      30.07  ETHANE                          133
K0026  45201         9.50      78.12  BENZENE                         143
K0029     85.00  15.00  51.00     306002                                2
K0029  43105        13.00      86.18  ISOMERS OF HEXANE                13
K0029  43502        51.00      30.03  FORMALDEHYDE                     23
K0029  43201        36.00      16.04  METHANE                          33
K0031     00.00  00.00  00.00     306005                                2
K0031  43105        12.20      86.18  ISOMERS OF HEXANE                13
K0031  43115        16.90      98.19  C-7 CYCLOPARAFFINS               23
K0031  43116         5.20     112.23  C-8 CYCLOPARAFFINS               33
K0031  43122        10.10      72.15  ISOMERS OF PENTANE               43
K0031  43204         5.90      44.09  PROPANE                          53
K0031  43212        14.30      58.12  N-BUTANE                         63
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TABLE C-2 (continued)

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K0031  43214        4.50      58.12  ISOBUTANE                               73
K0031  43220       12.00      72.15  N-PENTANE                               83
K0031  43231       11.90      86.18  N-HEXANE                                93
K0031  43201        2.90      16.04  METHANE                                103
K0031  43202        1.70      30.07  ETHANE                                 113
K0031  45201        2.40      78.12  BENZENE                                123
K0035     00.00  00.00  00.00     306007                                      2
K0035  43122      100.00      72.15  ISOMERS OF PENTANE                      13
K0038                            306008X                                      2
K0038  43105        5.50      86.18  ISOMERS OF HEXANE                       13
K0038  43106        4.10     100.21  ISOMERS OF HEPTANE                      23
K0038  43107        2.80     114.23  ISOMERS OF OCTANE                       33
K0038  43108        3.10     128.26  ISOMERS OF NONANE                       43
K0038  43109        1.90     142.29  ISOMERS OF DECANE                       53
K0038  43115        1.10      98.19  C-7 CYCLOPARAFFINS                      63
K0038  43116         .10     112.23  C-8 CYCLOPARAFFINS                      73
K0038  43117         .80     126.26  C-9 CYCLOPARAFFINS                      83
K0038  43122        6.60      72.15  ISOMERS OF PENTANE                      93
K0038  43204        3.70      44.09  PROPANE                                103
K0038  43212        7.90      58.12  N-BUTANE                               113
K0038  43214         .80      58.12  ISOBUTANE                              123
K0038  43220       11.10      72.15  N-PENTANE                              133
K0038  43231       11.00      86.18  N-HEXANE                               143
K0038  43232        8.50     100.21  N-HEPTANE                              153
K0038  43233       12.00     114.23  N-OCTANE                               163
K0038  43235        3.90     128.26  N-NONANE                               173
K0038  43238        5.10     142.29  N-DECANE                               183
K0038  43248         .50      84.16  CYCLOHEXANE                            193
K0038  43213         .20      56.10  BUTENE                                 203
K0036  45102        1.30     106.17  ISOMERS OF XYLENE                      213
K0036  45202        3.00      92.15  TOLUENE                                223
K0038  43201        3.30      16.04  METHANE                                233
K0038  43202        1.20      30.07  ETHANE                                 243
K0038  45201         .50      78.12  BENZENE                                253
K0039     00.00  00.00  00.00     306008Z                                     2
K0039  43105        1.00      86.18  ISOMERS OF HEXANE                       13
K0039  43106         .10     100.21  ISOMERS OF HEPTANE                      23
K0039  43122        8.60      72.15  ISOMERS OF PENTANE                      33
K0039  43204       16.00      44.09  PROPANE                                 43
K0039  43212       23.20      58.12  N-BUTANE                                53
K0039  43214       10.00      58.12  ISOBUTANE                               63
K0039  43220        7.60      72.15  N-PENTANE                               73
K0039  43231        4.60      86.18  N-HEXANE                                83
K0039  43205        8.80      42.08  PROPYLENE                               93
K0039  43213        1.20      56.10  BUTENE                                 103
K0039  43201       13.30      16.04  METHANE                                113
K0039  43202        5.60      30.07  ETHANE                                 123
K0047     00.00  00.00  00.00     306008N                                     2
K0047  43204       90.40      44.09  PROPANE                                 13
K0047  43214         .40      58.12  ISOBUTANE                               23
K0047  43205        5.10      42.08  PROPYLENE                               33
K0047  43202        4.10      30.07  ETHANE                                  43
K0051     95.00   5.00  20.00     306009                                      2
K0051  43204       30.00      44.09  PROPANE                                 13
K0051  43502       20.00      30.03  FORMALDEHYDE                            23
K0051  43201       20.00      16.04  METHANE                                 33
K0051  43202       30.00      30.07  ETHANE                                  43
K0053                   00.00     306013                                      2
K0053  43105         .80      86.18  ISOMERS OF HEXANE                       13
K0053  43107         .70     114.23  ISOMERS OF OCTANE                       23
K0053  43108        2.50     128.26  ISOMERS OF NONANE                       33
K0053  43109        2.00     142.29  ISOMERS OF DECANE                       43
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TABLE C-2 (continued)

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K0053  43115          .30     98.19  C-7 CYCLOPARAFFINS                   53
K0053  43117          .60    126.26  C-9 CYCLOPARAFFINS                   63
K0053  43122          .90     72.15  ISOMERS OF PENTANE                   73
K0053  43204        26.70     44.09  PROPANE                              83
K0053  43212        22.60     58.12  N-BUTANE                             93
K0053  43214        20.70     58.12  ISOBUTANE                           103
K0053  43220          .20     72.15  N-PENTANE                           113
K0053  43231          .80     86.18  N-HEXANE                            123
K0053  43232          .20    100.21  N-HEPTANE                           133
K0053  43233          .80    114.23  N-OCTANE                            143
K0053  43235         1.00    128.26  N-NONANE                            153
K0053  43248          .20     84.16  CYCLOHEXANE                         163
K0053  45102          .80    106.17  ISOMERS OF XYLENE                   173
K0053  45202          .80     92.15  TOLUENE                             183
K0053  43201          .90     16.04  METHANE                             193
K0053  43202        16.20     30.07  ETHANE                              203
K0053  45201          .30     78.12  BENZENE                             213
K0056      90.00  10.00             402008C                                2
K0056  43106          .70    100.21  ISOMERS OF HEPTANE                   13
K0056  43107          .60    114.23  ISOMERS OF OCTANE                    23
K0056  43108        10.10    128.26  ISOMERS OF NONANE                    33
K0056  43115         1.40     98.19  C-7 CYCLOPARAFFINS                   43
K0056  43116        25.60    112.23  C-8 CYCLOPARAFFINS                   53
K0056  43117         5.00    126.26  C-9 CYCLOPARAFFINS                   63
K0056  43231          .20     86.18  N-HEXANE                             73
K0056  43232         1.40    100.21  N-HEPTANE                            83
K0056  43233        46.50    114.23  N-OCTANE                             93
K0056  43235         7.30    128.26  N-NONANE                            103
K0056  45102         1.00    106.17  ISOMERS OF XYLENE                   113
K0056  45202          .20     92.15  TOLUENE                             123
K0060      00.00  00.00  00.00     330001                                  2
K0060  43551        20.00     58.08  ACETONE                              13
K0060  43552        21.40     72.10  METHYL ETHYL KETONE                  23
K0060  43560         8.60    100.16  METHYL ISOBUTYL KETONE               33
K0060  43301         5.60     32.04  METHYL ALCOHOL                       43
K0060  43302         4.50     46.07  ETHYL ALCOHOL                        53
K0060  43304        16.40     60.09  ISOPROPYL ALCOHOL                    63
K0060  43305        23.50     74.12  N-BUTYL ALCOHOL                      73
K0066      00.00  00.00  00.00     301015                                  2
K0066  43551        38.70     58.08  ACETONE                              13
K0066  43552        41.60     72.10  METHYL ETHYL KETONE                  23
K0066  43560        16.70    100.16  METHYL ISOBUTYL KETONE               33
K0068  43367         3.00     62.07  GLYCOL ETHER                         43
K0067      00.00  00.00  00.00    301018A                                  2
K0067  43860       100.00     62.50  VINYL CHLORIDE                       13
K0068      00.00  00.00  00.00    301018B                                  2
K0068  43205       100.00     42.08  PROPYLENE                            13
K0071                             301019A                                  2
K0071  43122        22.60     72.15  ISOMERS OF PENTANE                   13
K0071  43204        10.80     44.09  PROPANE                              23
K0071  43212        33.90     58.12  N-BUTANE                             33
K0071  43231        21.40     86.18  N-HEXANE                             43
K0071  43248        11.30     84.16  CYCLOHEXANE                          53
K0072      00.00  00.00  00.00     301020                                  2
K0072  43118        25.50    114.00  MINERAL SPIRITS                      13
K0072  43248         5.00     84.16  CYCLOHEXANE                          23
K0072  45106         3.50    134.21  ISOMERS OF DIETHYLBENZENE            33
K0072  45203         3.00    106.17  ETHYLBENZENE                         43
K0072  43551         5.50     58.08  ACETONE                              53
K0072  43552         5.00     72.10  METHYL ETHYL KETONE                  63
K0072  43301         5.00     32.04  METHYL ALCOHOL                       73
K0072  43302         2.50     46.07  ETHYL ALCOHOL                        83
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TABLE C-2 (continued)

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K0072  43304         38.00        60.09  ISOPROPYL ALCOHOL              93
K0072  43305          3.00        74.12  N-BUTYL ALCOHOL               103
K0072  43435          4.00       116.16  N-BUTYL ACETATE               113
K0076                        00.00       935705                          2
K0076  43105          8.10        86.18  ISOMERS OF HEXANE              13
K0076  43115         15.40        98.19  C-7 CYCLOPARAFFINS             23
K0076  43116          1.60       112.23  C-8 CYCLOPARAFFINS             33
K0076  43118         15.00       114.00  MINERAL SPIRITS                43
K0076  43122          3.10        72.15  ISOMERS OF PENTANE             53
K0076  43204          1.80        44.09  PROPANE                        63
K0076  43212          4.40        58.12  N-BUTANE                       73
K0076  43214          1.40        58.12  ISOBUTANE                      83
K0076  43220          3.20        72.15  N-PENTANE                      93
K0076  43231          3.70        86.18  N-HEXANE                      103
K0076  45102         15.00       106.17  ISOMERS OF XYLENE             113
K0076  45202          5.00        92.15  TOLUENE                       123
K0076  43819         10.00       173.85  METHYLENE BROMIDE             133
K0076  45201         12.30        78.12  BENZENE                       143
K0078     00.00   00.00   00.00        301125                            2
K0078  43815        100.00        99.00  ETHYLENE DICHLORIDE            13
K0079     95.00    5.00    1.70        301999                            2
K0079  43248          1.80        84.16  CYCLOHEXANE                    13
K0079  43120          8.90        56.10  ISOMERS OF BUTENE              23
K0079  43203         21.60        28.05  ETHYLENE                       33
K0079  43205          9.00        42.08  PROPYLENE                      43
K0079  43213          4.10        56.10  BUTENE                         53
K0079  45102          1.30       106.17  ISOMERS OF XYLENE              63
K0079  45202          4.10        92.15  TOLUENE                        73
K0079  45220          3.40       104.15  STYRENE                        83
K0079  43502          1.70        30.03  FORMALDEHYDE                   93
K0079  43503           .70        44.05  ACETALDEHYDE                  103
K0079  43510           .80        72.12  BUTYRALDEHYDE                 113
K0079  43206          1.00        26.04  ACETYLENE                     123
K0079  43301          5.40        32.04  METHYL ALCOHOL                133
K0079  43302          1.40        46.07  ETHYL ALCOHOL                 143
K0079  43304          2.50        60.09  ISOPROPYL ALCOHOL             153
K0079  43305           .50        74.12  N-BUTYL ALCOHOL               163
K0079  43438           .80       100.11  ETHYL ACRYLATE                173
K0079  43601          4.60        44.05  ETHYLENE  OXIDE               183
K0079  43602          1.40        58.08  PROPYLENE OXIDE               193
K0079  43704          3.00        55.06  ACRYLONITRILE                 203
K0079  43812          7.20        64.52  ETHYL CHLORIDE                213
K0079  43860           .60        62.50  VINYL CHLORIDE                223
K0079  45300          2.00        94.11  PHENOLS                       233
K0079  45401          1.30       230.00  XYLENE BASE ACIDS             243
K0079  43801           .90        50.49  METHYL CHLORIDE               253
K0079  45201         10.00        78.12  BENZENE                       263
K0085     00.00   00.00   00.00        401001C                           2
K0085  43817        100.00       165.83  PERCHLOROETHYLENE              13
K0086     00.00   00.00   00.00        401001B                           2
K0086  43107           .80       114.23  ISOMERS OF OCTANE              13
K0086  43108         27.30       128.26  ISOMERS OF NONANE              23
K0086  43109         69.30       142.29  ISOMERS OF DECANE              33
K0086  43110          2.60       156.32  ISOMERS OF UNDECANE            43
K0087     00.00   00.00   00.00        401001A                           2
K0087  43814        100.00       133.42  1,1,1,-TRICHLOROETHANE         13
K0088                                  401002E                           2
K0088  43811        100.00       137.37  TRICHLOROFLUOROMETHANE         13
K0089     00.00   00.00   00.00        401002A                           2
K0089  43820        100.00       133.42  1,1,2-TRICHLOROETHANE          13
K0090     00.00   00.00   00.00        401002D                           2
K0090  45202        100.00        92.15  TOLUENE                        13
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TABLE C-2 (continued)

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K0092     90.00  10.00  00.00     402008A                       2
K0092  43204        3.10      44.09  PROPANE                   13
K0092  43212       23.40      58.12  N-BUTANE                  23
K0092  43203        2.00      28.05  ETHYLENE                  33
K0092  43201       66.50      16.04  METHANE                   43
K0092  43202        5.00      30.07  ETHANE                    53
K0096     00.00  00.00  00.00     402009A                       2
K0096  43107         .40     114.23  ISOMERS OF OCTANE         13
K0096  43108       10.90     128.26  ISOMERS OF NONANE         23
K0096  43109       27.80     142.29  ISOMERS OF DECANE         33
K0096  43110        1.00     156.32  ISOMERS OF UNDECANE       43
K0096  45102        4.00     106.17  ISOMERS OF XYLENE         53
K0096  45202        4.00      92.15  TOLUENE                   63
K0096  43551       10.00      58.08  ACETONE                   73
K0096  43552       10.00      72.10  METHYL ETHYL KETONE       83
K0096  43560        5.00     100.16  METHYL ISOBUTYL KETONE    93
K0096  43301        5.60      32.04  METHYL ALCOHOL           103
K0096  43302        5.60      46.07  ETHYL ALCOHOL            113
K0096  43304        5.70      60.09  ISOPROPYL ALCOHOL        123
K0096  43817       10.00     165.83  PERCHLOROETHYLENE        133
K0098                             403001A                       2
K0098  43204         .10      44.09  PROPANE                   13
K0098  43212        2.20      58.12  N-BUTANE                  23
K0098  43214         .50      58.12  ISOBUTANE                 33
K0098  43220       12.20      72.15  N-PENTANE                 43
K0098  43231       16.30      86.19  N-HEXANE                  53
K0098  43232        9.30     100.21  N-HEPTANE                 63
K0098  43233       10.10     114.23  N-OCTANE                  73
K0098  43235        1.80     128.26  N-NONANE                  83
K0098  43238        2.60     142.29  N-DECANE                  93
K0098  43213         .40      56.10  BUTENE                   103
K0098  43224        2.50      70.14  1-PENTENE                113
K0098  45102       13.50     106.17  ISOMERS OF XYLENE        123
K0098  45104        6.50     120.19  ISOMERS OF ETHYLTOLUENE  133
K0098  45105        4.40     134.22  ISOMERS OF BUTYLBENZENE  143
K0098  45107        5.50     120.19  ISOMERS OF TRIMETHYLBENZENE  153
K0098  45202        9.70      92.15  TOLUENE                  163
K0098  45201        2.40      78.12  BENZENE                  173
K0100                    00.00    403001E                       2
K0100  43232         .10     100.21  N-HEPTANE                 13
K0100  43233         .50     114.23  N-OCTANE                  23
K0100  43235        4.70     128.26  N-NONANE                  33
K0100  43238       19.60     142.29  N-DECANE                  43
K0100  43241       20.30     156.32  N-UNDECANE                53
K0100  43255       15.20     170.34  N-DODECANE                63
K0100  43258       17.70     184.37  N-TRIDECANE               73
K0100  43259       11.70     198.40  N-TETRADECANE             83
K0100  43260        7.20     212.42  N-PENTADECANE             93
K0121     85.00  15.00               501002                     2
K0121  43204        1.90      44.09  PROPANE                   13
K0121  43212        1.90      58.12  N-BUTANE                  23
K0121  43214        1.90      58.12  ISOBUTANE                 33
K0121  43220        1.90      72.15  N-PENTANE                 43
K0121  43231       13.90      86.19  N-HEXANE                  53
K0121  43232       13.90     100.21  N-HEPTANE                 63
K0121  43233       13.80     114.23  N-OCTANE                  73
K0121  43121       11.80      70.14  ISOMERS OF PENTENE        83
K0121  43203       19.40      28.05  ETHYLENE                  93
K0121  43213        5.90      56.10  BUTENE                   103
K0121  43224       11.80      70.14  1-PENTENE                113
K0121  43206        1.90      26.04  ACETYLENE                123
K0122     85.00  15.00               501005                     2
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TABLE C-2 (continued)

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K0122  43203         8.70      28.05  ETHYLENE                          13
K0122  43205          .50      42.09  PROPYLENE                         23
K0122  43201        80.40      16.04  METHANE                           33
K0122  43202         2.70      30.07  ETHANE                            43
K0122  45201         7.70      78.12  BENZENE                           53
K0125     00.00  00.00  00.00    402001A                                 2
K0125  45102        22.30     106.17  ISOMERS OF XYLENE                 13
K0125  45202        55.10      92.15  TOLUENE                           23
K0125  43551        12.20      58.08  ACETONE                           33
K0125  43552        10.40      72.10  METHYL ETHYL KETONE               43
K0127     00.00  00.00  00.00    402003A                                 2
K0127  43551        38.70      58.08  ACETONE                           13
K0127  43552        41.60      72.10  METHYL ETHYL KETONE               23
K0127  43560        16.70     100.16  METHYL ISOBUTYL KETONE            33
K0127  43367         3.00      62.07  GLYCOL ETHER                      43
K0134                            402006A                                 2
K0134  43118        41.00     114.00  MINERAL SPIRITS                   13
K0134  45101         1.00     114.00  NAPHTHA                           23
K0134  45102         4.90     106.17  ISOMERS OF XYLENE                 33
K0134  45202         3.90      92.15  TOLUENE                           43
K0134  43551         7.10      58.08  ACETONE                           53
K0134  43552         7.70      72.10  METHYL ETHYL KETONE               63
K0134  43560         3.10     100.16  METHYL ISOBUTYL KETONE            73
K0134  43301         1.00      32.04  METHYL ALCOHOL                    83
K0134  43302          .80      46.07  ETHYL ALCOHOL                     93
K0134  43304         2.80      60.09  ISOPROPYL ALCOHOL                103
K0134  43305         4.00      74.12  N-BUTYL ALCOHOL                  113
K0134  43367        11.50      62.07  GLYCOL ETHER                     123
K0134  43433          .90      88.10  ETHYL ACETATE                    133
K0134  43435         9.50     116.16  N-BUTYL ACETATE                  143
K0134  43444          .80     104.00  ISOPROPYL ACETATE                153
K0141     90.00  10.00  00.00    402007A                                 2
K0141  45102        22.00     106.17  ISOMERS OF XYLENE                 13
K0141  45202        54.00      92.15  TOLUENE                           23
K0141  43551        13.00      58.08  ACETONE                           33
K0141  43552        11.00      72.10  METHYL ETHYL KETONE               43
K0145                            402007D                                 2
K0145  43817       100.00     165.83  PERCHLOROETHYLENE                 13
K0147     00.00  00.00  00.00    402004C                                 2
K0147  43118         6.40     114.00  MINERAL SPIRITS                   13
K0147  43233         4.60     114.23  N-OCTANE                          23
K0147  43248         6.40      84.16  CYCLOHEXANE                       33
K0147  45202        13.90      92.15  TOLUENE                           43
K0147  43552        16.60      72.10  METHYL ETHYL KETONE               53
K0147  43304        11.70      60.09  ISOPROPYL ALCOHOL                 63
K0147  43305         4.00      74.12  N-BUTYL ALCOHOL                   73
K0147  43308         5.60     102.00  BUTYL CELLOSOLVE                  83
K0147  43435        30.80     116.16  N-BUTYL ACETATE                   93
K0148     00.00  00.00  00.00    402004B                                 2
K0148  43118        25.00     114.00  MINERAL SPIRITS                   13
K0148  45102         7.00     106.17  ISOMERS OF XYLENE                 23
K0148  45202        10.00      92.15  TOLUENE                           33
K0148  43561         8.00      98.15  CYCLOHEXANONE                     43
K0148  43551        13.00      58.08  ACETONE                           53
K0148  43552        18.00      72.10  METHYL ETHYL KETONE               63
K0148  43304        15.00      60.09  ISOPROPYL ALCOHOL                 73
K0148  43445         4.00     140.00  METHYL AMYL ACETATE               83
K0149     00.00  00.00  00.00    402004A                                 2
K0149  43118        21.40     114.00  MINERAL SPIRITS                   13
K0149  45202         9.40      92.15  TOLUENE                           23
K0149  43552        14.20      72.10  METHYL ETHYL KETONE               33
K0149  43311        26.60      90.12  CELLOSOLVE                        43
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TABLE C-2 (continued)

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K0149  43433        28.40      88.10  ETHYL ACETATE                                   53
K0156      00.00  00.00  00.00     402005A                                             2
K0156  43118        57.60     114.00  MINERAL SPIRITS                                 13
K0156  45102         4.00     106.17  ISOMERS OF XYLENE                               23
K0156  45202         3.20      92.15  TOLUENE                                         33
K0156  43551         6.30      58.08  ACETONE                                         43
K0156  43552         6.80      72.10  METHYL ETHYL KETONE                             53
K0156  43560         2.70     100.16  METHYL ISOBUTYL KETONE                          63
K0156  43301          .70      32.04  METHYL ALCOHOL                                  73
K0156  43302          .50      46.07  ETHYL ALCOHOL                                   83
K0156  43304         1.90      60.09  ISOPROPYL ALCOHOL                               93
K0156  43305         2.80      74.12  N-BUTYL ALCOHOL                                103
K0156  43433          .30      88.10  ETHYL ACETATE                                  113
K0156  43435         2.90     116.16  N-BUTYL ACETATE                                123
K0156  43444          .30     104.00  ISOPROPYL ACETATE                              133
K0157      00.00  00.00  00.00     4020005C                                            2
K0157  43118        13.20     114.00  MINERAL SPIRITS                                 13
K0157  43233         5.30     114.23  N-OCTANE                                        23
K0157  43248        13.20      84.16  CYCLOHEXANE                                     33
K0157  43435        12.40     116.16  N-BUTYL ACETATE                                 43
K0157  43452         5.00     132.00  2-ETHOXYETHYL ACETATE                           53
K0157  43552        24.70      72.10  METHYL ETHYL KETONE                             63
K0157  43823        13.90     120.91  DICHLORODIFLUOROMETHANE                         73
K0157  45202        12.30      92.15  TOLUENE                                         83
K0162      95.00  05.00   3.30     402008E                                             2
K0162  43116        25.80     114.00  MINERAL SPIRITS                                 13
K0162  43204          .30      44.09  PROPANE                                         23
K0162  43212          .10      58.12  N-BUTANE                                        33
K0162  43220          .60      72.15  N-PENTANE                                       43
K0162  43205         2.40      42.08  PROPYLENE                                       53
K0162  43213          .90      56.10  BUTENE                                          63
K0162  43224         2.40      70.14  1-PENTENE                                       73
K0162  43502         3.30      30.03  FORMALDEHYDE                                    93
K0162  43551          .60      58.08  ACETONE                                        103
K0162  43206          .30      26.04  ACETYLENE                                      113
K0162  43304         7.00      60.09  ISOPROPYL ALCOHOL                              123
K0162  43432         3.10      74.08  METHYL ACETATE                                 133
K0162  43435        29.60     116.16  N-BUTYL ACETATE                                143
K0162  43444        12.50     104.00  ISOPROPYL ACETATE                              153
K0162  43201         9.00      16.04  METHANE                                        163
K0162  45202         2.10      92.15  TOLUENE                                        183
K0164                              402005D                                             2
K0164  43433         7.90      88.10  ETHYL ACETATE                                   13
K0164  43435        84.50     116.16  N-BUTYL ACETATE                                 23
K0164  43444         7.60     104.00  ISOPROPYL ACETATE                               33
K0166                                405002                                            2
K0166  43201        63.00      16.04  METHANE                                         13
K0166  43202        24.00      30.07  ETHANE                                          23
K0166  43204        12.00      44.09  PROPANE                                         33
K0166  43212         1.00      58.12  N-BUTANE                                        43
K0172      00.00  00.00  00.00     405003A                                             2
K0172  43302        47.60      46.07  ETHYL ALCOHOL                                   13
K0172  43303        24.30      60.09  N-PROPYL ALCOHOL                                23
K0172  43304        10.70      60.09  ISOPROPYL ALCOHOL                               33
K0172  43351          .90      74.12  ETHYL ETHER                                     43
K0172  43433        15.10      88.10  ETHYL ACETATE                                   53
K0172  43452         1.40     132.00  2-ETHOXYETHYL ACETATE                           63
K0181      00.00  00.00  00.00     405005A                                             2
K0181  43118         5.40     114.00  MINERAL SPIRITS                                 13
K0181  43231         6.20      86.18  N-HEXANE                                        23
K0181  43232         6.60     100.21  N-HEPTANE                                       33
K0181  45202        12.00      92.15  TOLUENE                                         43
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TABLE C-2 (continued)

K0181	43551	.80	58.08	ACETONE	53
K0181	43552	7.80	72.10	METHYL ETHYL KETONE	63
K0181	43119	1.00	114.00	LACTOL SPIRITS	73
K0181	43302	8.60	46.07	ETHYL ALCOHOL	83
K0181	43303	.30	60.09	N-PROPYL ALCOHOL	93
K0181	43304	10.80	60.09	ISOPROPYL ALCOHOL	103
K0181	43433	18.20	88.10	ETHYL ACETATE	113
K0181	43434	1.30	102.13	PROPYL ACETATE	123
K0181	43444	20.10	104.00	ISOPROPYL ACETATE	133
K0181	43452	.90	132.00	2-ETHOXYETHYL ACETATE	143
K0182	00.00	00.00	00.00	405005D	2
K0182	43118	51.00	114.00	MINERAL SPIRITS	13
K0182	43248	10.00	84.16	CYCLOHEXANE	23
K0182	45106	7.00	134.21	ISOMERS OF DIETHYLBENZENE	33
K0182	45203	6.00	106.17	ETHYLBENZENE	43
K0182	43301	6.00	32.04	METHYL ALCOHOL	53
K0182	43304	6.00	60.09	ISOPROPYL ALCOHOL	63
K0182	43305	6.00	74.12	N-BUTYL ALCOHOL	73
K0182	43435	8.00	116.16	N-BUTYL ACETATE	83
K0183	00.00	00.00	00.00	405005B	2
K0183	43118	83.00	114.00	MINERAL SPIRITS	13
K0183	45102	4.00	106.17	ISOMERS OF XYLENE	23
K0183	45202	13.00	92.15	TOLUENE	33
K0185	00.00	00.00	00.00	403001P	2
K0185	45202	100.00	92.15	TOLUENE	13
K0188				403001Q	2
K0188	43105	1.30	86.18	ISOMERS OF HEXANE	13
K0188	43112	.30	170.33	ISOMERS OF DODECANE	23
K0188	43115	4.50	98.19	C-7 CYCLOPARAFFINS	33
K0188	43116	1.30	112.23	C-8 CYCLOPARAFFINS	43
K0188	43122	7.10	72.15	ISOMERS OF PENTANE	53
K0188	43204	21.30	44.09	PROPANE	63
K0188	43212	16.60	58.12	N-BUTANE	73
K0188	43214	8.30	58.12	ISOBUTANE	83
K0188	43220	5.80	72.15	N-PENTANE	93
K0188	43231	4.20	86.18	N-HEXANE	103
K0188	43201	16.80	16.04	METHANE	113
K0188	43202	11.90	30.07	ETHANE	123
K0188	45201	.60	78.12	BENZENE	133
K0195				901005	2
K0195	43201	100.00	16.04	METHANE	13
K0196				935103	2
K0196	43231	20.70	86.18	N-HEXANE	13
K0196	43248	20.70	84.16	CYCLOHEXANE	23
K0196	45102	2.60	106.17	ISOMERS OF XYLENE	33
K0196	45202	5.20	92.15	TOLUENE	43
K0196	45203	4.30	106.17	ETHYLBENZENE	53
K0196	43551	3.20	58.08	ACETONE	63
K0196	43552	5.60	72.10	METHYL ETHYL KETONE	73
K0196	43559	0.70	100.16	METHYL N-BUTYL KETONE	83
K0196	43560	0.60	100.16	METHYL ISOBUTYL KETONE	93
K0196	43301	3.90	32.04	METHYL ALCOHOL	103
K0196	43302	0.60	46.07	ETHYL ALCOHOL	113
K0196	43304	16.40	60.09	ISOPROPYL ALCOHOL	123
K0196	43305	1.60	74.12	N-BUTYL ALCOHOL	133
K0196	43306	0.60	74.12	ISOBUTYL ALCOHOL	143
K0196	43369	0.80	76.00	PROPYLENE GLYCOL	153
K0196	43370	0.60	62.07	ETHYLENE GLYCOL	163
K0196	43435	2.50	116.16	N-BUTYL ACETATE	173
K0196	43446	1.50	116.16	ISOBUTYL ACETATE	183
K0196	43451	6.10	144.21	ISOBUTYL ISOBUTYRATE	203
K0196	43452	1.30	132.00	2-ETHOXYETHYL ACETATE	213

TABLE C-2 (continued)

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K0197                          0.60    935702                                  2
K0197  43214        5.30      58.12  ISOBUTANE                                13
K0197  45101        4.50     114.00  NAPHTHA                                  23
K0197  43502        0.60      30.03  FORMALDEHYDE                             33
K0197  43551        1.40      58.08  ACETONE                                  43
K0197  43302       36.90      46.07  ETHYL ALCOHOL                            53
K0197  43304       38.50      60.09  ISOPROPYL ALCOHOL                        63
K0197  43367        8.30      62.07  GLYCOL ETHER                             73
K0197  43369        3.20      76.00  PROPYLENE GLYCOL                         83
K0197  43435        1.30     116.16  N-BUTYL ACETATE                          93
K0202                                  949999A                                 2
K0202  43123         .10     136.23  TERPENES                                 33
K0202  43201       98.60      16.04  METHANE                                  43
K0202  43202         .10      30.07  ETHANE                                   53
K0202  43204         .10      44.09  PROPANE                                  63
K0202  43212         .20      58.12  N-BUTANE                                 73
K0202  43214         .10      58.12  ISOBUTANE                                83
K0202  43220         .10      72.15  N-PENTANE                                93
K0202  43242         .10      70.14  CYCLOPENTANE                            103
K0202  43817         .30     165.83  PERCHLOROETHYLENE                       113
K0202  45102         .10     106.17  ISOMERS OF XYLENE                       123
K0202  45202         .10      92.15  TOLUENE                                 133
K0203       00.00  00.00      00.00    9499998                                 2
K0203  43201       70.00      16.04  METHANE                                  13
K0203  43202       20.00      30.07  ETHANE                                   23
K0203  43302        2.00      46.07  ETHYL ALCOHOL                            33
K0203  43304        2.00      60.09  ISOPROPYL ALCOHOL                        43
K0203  43434        2.00     102.13  PROPYL ACETATE                           53
K0203  43551        2.00      58.08  ACETONE                                  63
K0203  43720        1.00      31.06  METHYLAMINE                              73
K0203  43740        1.00      59.11  TRIMETHYL AMINE                          83
K0211       00.00  00.00      00.00     302229                                 2
K0211  43302      100.00      46.07  ETHYL ALCOHOL                            13
K0217                                   390007                                 2
K0217  43203        2.80      28.05  ETHYLENE                                 13
K0217  43205        5.50      42.08  PROPYLENE                                23
K0217  43213        6.40      56.10  BUTENE                                   33
K0217  43201       40.90      16.04  METHANE                                  43
K0217  43202        1.40      30.07  ETHANE                                   53
K0217  45201       43.00      78.12  BENZENE                                  63
K0219       00.00  00.00      00.00    402001B                                 2
K0219  43551      100.00      58.08  ACETONE                                  13
K0220       00.00  00.00      00.00    402001C                                 2
K0220  43433      100.00      88.10  ETHYL ACETATE                            13
K0221       00.00  00.00      00.00    402001D                                 2
K0221  43552      100.00      72.10  METHYL ETHYL KETONE                      13
K0222       00.00  00.00      00.00    402005E                                 2
K0222  43452      100.00     132.00  2-ETHOXYETHEL ACETATE                    13
K0223                                  402003E                                 2
K0223  45102      100.00     106.17  ISOMERS OF XYLENE                        13
K0226                                  402009F                                 2
K0226  43302      100.00      46.07  ETHYL ALCOHOL                            13
K0227                                  402009G                                 2
K0227  43304      100.00      60.09  ISOPROPYL ALCOHOL                        13
K0228       00.00  00.00      00.00    40200913                                2
K0228  43444      100.00     104.00  ISOPROPYL ACETATE                        13
K0229       00.00  00.00      00.00    40200915                                2
K0229  43119      100.00     114.00  LACTOL SPIRITS                           13
K0230       00.00  00.00      00.00    403001K                                 2
K0230  43231      100.00      86.18  N-HEXANE                                 13
K0231       00.00  00.00      00.00    403001M                                 2
K0231  43122      100.00      72.15  ISOMERS OF PENTANE                       13
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TABLE C-2 (continued)

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K0232                          403003                          2
K0232  43204     90.60    44.09  PROPANE                      13
K0232  43214       .20    58.12  ISOBUTANE                    23
K0232  43205      5.10    42.08  PROPYLENE                    33
K0232  43202      4.10    30.07  ETHANE                       43
K0271     00.00  00.00  00.00    401002C                       2
K0271  43624    100.00   131.40  TRICHLOROETHYLENE            13
K0272     95.00   5.00  00.00    301026A                       2
K0272  43106      4.70   100.21  ISOMERS OF HEPTANE           13
K0272  43107       .80   114.23  ISOMERS OF OCTANE            23
K0272  43115     43.20    98.19  C-7 CYCLOPARAFFINS           33
K0272  43116      6.00   112.23  C-8 CYCLOPARAFFINS           43
K0272  43231      5.80    86.18  N-HEXANE                     53
K0272  43232      1.90   100.21  N-HEPTANE                    63
K0272  43233       .40   114.23  N-OCTANE                     73
K0272  43248     16.30    84.16  CYCLOHEXANE                  83
K0272  43262     17.70    84.16  METHYLCYCLOPENTANE           93
K0272  45202       .40    92.15  TOLUENE                     103
K0272  45201      2.80    78.12  BENZENE                     113
K0273     00.00  00.00  00.00    301026B                       2
K0273  43105     24.20    86.18  ISOMERS OF HEXANE            13
K0273  43106       .20   100.21  ISOMERS OF HEPTANE           23
K0273  43231     33.60    86.18  N-HEXANE                     33
K0273  43242       .20    70.14  CYCLOPENTANE                 43
K0273  43248       .40    84.16  CYCLOHEXANE                  53
K0273  43262     33.70    84.16  METHYLCYCLOPENTANE           63
K0273  45201      7.70    78.12  BENZENE                      73
K0274     00.00  00.00  00.00    301026C                       2
K0274  43115     99.84    98.19  C-7 CYCLOPARAFFINS           13
K0274  43116       .08   112.23  C-8 CYCLOPARAFFINS           23
K0274  43248       .04    84.16  CYCLOHEXANE                  33
K0274  43262       .04    84.16  METHYLCYCLOPENTANE           43
K0275     00.00  00.00  00.00    401002B                       2
K0275  43802    100.00    84.94  DICHLOROMETHANE              13
K0276     00.00  00.00  00.00    301019B                       2
K0276  43204       .90    44.09  PROPANE                      13
K0276  43212      2.20    58.12  N-BUTANE                     23
K0276  43214       .40    58.12  ISOBUTANE                    33
K0276  43205      3.10    42.08  PROPYLENE                    43
K0276  43551      8.60    58.08  ACETONE                      53
K0276  43206      4.40    26.04  ACETYLENE                    63
K0276  43201     80.00    16.04  METHANE                      73
K0276  43202       .40    30.07  ETHANE                       83
K0277     00.00  00.00  00.00    491992F                       2
K0277  43821    100.00   187.38  TRICHLOROTRIFLUOROETHANE     13
K0279     90.00  10.00  00.00    402008B                       2
K0279  43203      2.40    28.05  ETHYLENE                     13
K0279  45202     10.60    92.15  TOLUENE                      23
K0279  43551     30.20    58.08  ACETONE                      33
K0279  43201     39.90    16.04  METHANE                      43
K0279  43202      2.40    30.07  ETHANE                       53
K0279  45201     14.50    78.12  BENZENE                      63
K0280     00.00  00.00  00.00    402006E                       2
K0280  45202      8.70    92.15  TOLUENE                      13
K0280  43551     68.90    58.08  ACETONE                      23
K0280  45201     22.40    78.12  BENZENE                      33
K0282     00.00  00.00  00.00    4020006G                      2
K0282  45101    100.00   114.00  NAPHTHA                      13
K0283     00.00  00.00  00.00    402006H                       2
K0283  43118    100.00   114.00  MINERAL SPIRITS              13
K0287     00.00  00.00  00.00    402007E                       2
K0287  45201    100.00    78.12  BENZENE                      13
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TABLE C-2 (continued)

```
K0288                                   402009B                              2
K0288  43435      100.00      116.16   N-BUTYL ACETATE                      13
K0289                                   402009C                              2
K0269  43305      100.00       74.12   N-BUTYL ALCOHOL                      13
K0290      00.00   00.00   00.00       40200906                             2
K0290  43311      100.00       90.12   CELLOSOLVE                           13
K0291      00.00   00.00   00.00       402009K                              2
K0291  43301      100.00       32.04   METHYL ALCOHOL                       13
K0292      00.00   00.00   00.00       49200908                             2
K0292  43450      100.00       73.09   DIMETHYLFORMAMIDE                    13
K0293                                   402999A                              2
K0293  43231       34.00       86.18   N-HEXANE                             13
K0293  43248       43.10       84.16   CYCLOHEXANE                          23
K0293  45102        6.60      106.17   ISOMERS OF XYLENE                    33
K0293  45202        7.60       92.15   TOLUENE                              43
K0293  45203        8.70      106.17   ETHYLBENZENE                         53
K0294      00.00   00.00   00.00       402999B                              2
K0294  45102       41.60      106.17   ISOMERS OF XYLENE                    13
K0294  45104       12.20      120.19   ISOMERS OF ETHYLTOLUENE              23
K0294  45107       20.10      120.19   ISOMERS OF TRIMETHYLBENZENE          33
K0294  45108        2.10      120.19   ISOMERS OF PROPYLBENZENE             43
K0294  45202       13.70       92.13   TOLUENE                              53
K0294  45203       10.30      106.17   ETHYLBENZENE                         63
K0296      00.00   00.00   00.00       403001C                              2
K0296  43115        1.30       98.19   C-7 CYCLOPARAFFINS                   13
K0296  43116         .50      112.23   C-8 CYCLOPARAFFINS                   23
K0296  43122        1.50       72.15   ISOMERS OF PENTANE                   33
K0296  43204       17.60       44.09   PROPANE                              43
K0296  43212       27.10       58.12   N-BUTANE                             53
K0296  43214        1.50       58.12   ISOBUTANE                            63
K0296  43220       14.60       72.15   N-PENTANE                            73
K0296  43231        7.90       86.18   N-HEXANE                             83
K0296  43232        9.20      100.21   N-HEPTANE                            93
K0296  43233        6.90      114.23   N-OCTANE                            103
K0296  43201        6.20       16.04   METHANE                             113
K0296  43202        5.60       30.07   ETHANE                              123
K0296  45201         .10       78.12   BENZENE                             133
K0297      00.00   00.00   00.00       403001D                              2
K0297  43105        5.10       86.18   ISOMERS OF HEXANE                    13
K0297  43106        5.00      100.21   ISOMERS OF HEPTANE                   23
K0297  43107         .40      114.23   ISOMERS OF OCTANE                    33
K0297  43122       11.20       72.15   ISOMERS OF PENTANE                   43
K0297  43204       16.10       44.09   PROPANE                              53
K0297  43212       20.80       58.12   N-BUTANE                             63
K0297  43214        9.30       58.12   ISOBUTANE                            73
K0297  43220       10.10       72.15   N-PENTANE                            83
K0297  43231        4.70       86.18   N-HEXANE                             93
K0297  43232        2.00      100.21   N-HEPTANE                           103
K0297  45202        1.40       92.15   TOLUENE                             113
K0297  43201        8.60       16.04   METHANE                             123
K0297  43202        2.70       30.07   ETHANE                              133
K0297  45201        2.40       78.12   BENZENE                             143
K0298      00.00   00.00   00.00       403001F                              2
K0298  45201      100.00       78.12   BENZENE                              13
K0301                                   4030011                              2
K0301  43232      100.00      100.21   N-HEPTANE                            13
K0303                                   40300115                             2
K0303  43220      100.00       72.15   N-PENTANE                            13
K0305                                   406002                               2
K0305  43204       15.80       44.09   PROPANE                              13
K0305  43212       30.20       58.12   N-BUTANE                             23
K0305  43220       18.50       72.15   N-PENTANE                            33
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TABLE C-2 (continued)

```
K0305  43231        8.80      86.18  N-HEXANE                             43
K0305  43232       10.60     100.21  N-HEPTANE                            53
K0305  43233        9.60     114.23  N-OCTANE                             63
K0305  43201        2.60      16.04  METHANE                              73
K0305  43202        3.70      30.07  ETHANE                               83
K0306      00.00  00.00  00.00    303009A                                  2
K0306  43231        1.67      86.18  N-HEXANE                             13
K0306  43232        6.86     100.21  N-HEPTANE                            23
K0306  43822       83.86      93.19  TRIMETHYLFLUORISILANE                33
K0306  45201        3.05      78.12  BENZENE                              43
K0306  45202        4.56      92.15  TOLUENE                              53
K0307      85.00  15.00  00.00     913081                                  2
K0307  43122        0.15      72.15  ISOMERS OF PENTANE                   13
K0307  43204        0.35      44.09  PROPANE                              23
K0307  43212        0.24      58.12  N-BUTANE                             33
K0307  43214        0.11      58.12  ISOBUTANE                            43
K0307  43120        0.92      56.10  ISOMERS OF BUTENE                    53
K0307  43203       19.11      28.05  ETHYLENE                             63
K0307  43205        3.93      42.08  PROPYLENE                            73
K0307  43213        0.81      56.10  BUTENE                               83
K0307  43218        0.52      54.09  1,3-BUTADIENE                        93
K0307  43223        0.17      70.14  3-METHYL-1-BUTENE                   103
K0307  43000       44.59      66.00  UNIDENTIFIED HYDROCARBONS           113
K0307  43206        8.40      26.04  ACETYLENE                           123
K0307  43209        0.41      40.06  METHYLACETYLENE                     133
K0307  43201        9.82      16.04  METHANE                             143
K0307  43202       10.47      30.07  ETHANE                              153
K0316      00.00  00.00  00.00    306008A                                  2
K0316  43105        1.60      86.18  ISOMERS OF HEXANE                    13
K0316  43106         .80     100.21  ISOMERS OF HEPTANE                   23
K0316  43107         .40     114.23  ISOMERS OF OCTANE                    33
K0316  43108         .50     128.26  ISOMERS OF NONANE                    43
K0316  43109         .30     142.29  ISOMERS OF DECANE                    53
K0316  43115         .20      98.19  C-7 CYCLOPARAFFINS                   63
K0316  43117         .10     126.26  C-9 CYCLOPARAFFINS                   73
K0316  43122        7.80      72.15  ISOMERS OF PENTANE                   83
K0316  43204       11.50      44.09  PROPANE                              93
K0316  43212       18.30      58.12  N-BUTANE                            103
K0316  43214        7.40      58.12  ISOBUTANE                           113
K0316  43220        7.70      72.15  N-PENTANE                           123
K0316  43231        3.40      86.18  N-HEXANE                            133
K0316  43232        1.40     100.21  N-HEPTANE                           143
K0316  43233        1.80     114.23  N-OCTANE                            153
K0316  43235         .60     128.26  N-NONANE                            163
K0316  43238         .80     142.29  N-DECANE                            173
K0316  43248         .10      84.16  CYCLOHEXANE                         183
K0316  43205         .10      42.08  PROPYLENE                           193
K0316  45102         .20     106.17  ISOMERS OF XYLENE                   203
K0316  45202         .50      92.15  TOLUENE                             213
K0316  43201       28.60      16.04  METHANE                             223
K0316  43202        5.80      30.07  ETHANE                              233
K0316  45201         .10      78.12  BENZENE                             243
K0321      00.00  00.00  00.00    306008P                                  2
K0321  43105        5.50      86.18  ISOMERS OF HEXANE                    13
K0321  43106        4.10     100.21  ISOMERS OF HEPTANE                   23
K0321  43107        2.80     114.23  ISOMERS OF OCTANE                    33
K0321  43108        3.10     128.26  ISOMERS OF NONANE                    43
K0321  43109        1.90     142.29  ISOMERS OF DECANE                    53
K0321  43115        1.10      98.19  C-7 CYCLOPARAFFINS                   63
K0321  43116         .10     112.23  C-8 CYCLOPARAFFINS                   73
K0321  43117         .80     126.26  C-9 CYCLOPARAFFINS                   83
K0321  43122        6.60      72.15  ISOMERS OF PENTANE                   93
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TABLE C-2 (continued)

```
K0321  43204          3.70      44.09  PROPANE                              103
K0321  43212          8.10      58.12  N-BUTANE                             123
K0321  43214           .80      58.12  ISOBUTANE                            133
K0321  43220         11.10      72.15  N-PENTANE                            143
K0321  43231         11.00      86.18  N-HEXANE                             153
K0321  43232          8.50     100.21  N-HEPTANE                            163
K0321  43233         12.00     114.23  N-OCTANE                             173
K0321  43235          3.90     128.26  N-NONANE                             183
K0321  43238          5.10     142.29  N-DECANE                             193
K0321  43248           .50      84.16  CYCLOHEXANE                          203
K0321  45102          1.30     106.17  ISOMERS OF XYLENE                    213
K0321  45202          3.00      92.15  TOLUENE                              223
K0321  43201          3.30      16.04  METHANE                              233
K0321  43202          1.20      30.07  ETHANE                               243
K0321  45201           .50      78.12  BENZENE                              253
K0330       90.00  10.00  12.20      907021                                    2
K0330  43212          3.20      58.12  N-BUTANE                              13
K0330  43220          1.80      72.15  N-PENTANE                             23
K0330  43231          1.40      86.18  N-HEXANE                              33
K0330  43232          0.40     100.21  N-HEPTANE                             43
K0330  43233          0.40     114.23  N-OCTANE                              53
K0330  43235          0.40     128.26  N-NONANE                              63
K0330  43260         35.10     212.42  N-PENTADECANE                         73
K0330  43203         10.70      28.05  ETHYLENE                              83
K0330  43205          4.00      42.08  PROPYLENE                             93
K0330  45101         17.60     114.00  NAPHTHA                              103
K0330  45102          0.30     106.17  ISOMERS OF XYLENE                    113
K0330  45107          0.20     120.19  ISOMERS OF TRIMETHYLBENZENE          123
K0330  45202          1.80      92.15  TOLUENE                              133
K0330  43502         12.20      30.03  FORMALDEHYDE                         143
K0330  43206          3.80      26.04  ACETYLENE                            153
K0330  43201          4.40      16.04  METHANE                              163
K0330  43202          0.40      30.07  ETHANE                               173
K0330  45201          1.90      78.12  BENZENE                              183
K0333       00.00  00.00  00.00     405004A                                    2
K0333  43204          3.30      44.09  PROPANE                               13
K0333  43212         11.50      58.12  N-BUTANE                              23
K0333  43214          1.80      58.12  ISOBUTANE                             33
K0333  43304           .90      60.09  ISOPROPYL ALCOHOL                     43
K0333  43802         34.90      84.94  DICHLOROMETHANE                       53
K0333  43201         37.70      16.04  METHANE                               63
K0333  43202         10.00      30.07  ETHANE                                73
K0334                     00.00     405002A                                    2
K0334  43204          3.00      44.09  PROPANE                               13
K0334  43212          3.00      58.12  N-BUTANE                              23
K0334  43214          1.00      58.12  ISOBUTANE                             33
K0334  43203         13.00      28.05  ETHYLENE                              43
K0334  43205          3.00      42.08  PROPYLENE                             53
K0334  43213          1.00      56.10  BUTENE                                63
K0334  43201         69.00      16.04  METHANE                               73
K0334  43202          7.00      30.07  ETHANE                                83
R0001       97.00   3.00               R0001      IP WOOD RIVER NO.4           2
R0001  43202          2.09      30.07  ETHANE                                13
R0001  43204          1.78      44.09  PROPANE                               23
R0001  43213           .79      56.10  1-BUTENE                              33
R0001  43212           .98      58.12  N-BUTANE                              43
R0001  43221          1.22      72.15  ISOPENTANE                            53
R0001  43227          1.05      70.14  CIS,2-PENTENE                         63
R0001  43245          3.63      84.16  1-HEXENE                              73
R0001  43231          9.45      86.18  N-HEXANE                              83
R0001  43268          2.67      98.19  3,3 DIMETHYL,1-PENTENE                93
R0001  43247          6.39     100.21  2,4 DIMETHYLPENTANE                  103
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TABLE C-2 (continued)

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R0001  43264        3.69     98.19  1-HEPTENE                                    113
R0001  43232        1.50    100.21  N-HEPTANE                                    123
R0001  45202        5.62     92.15  TOLUENE                                      133
R0001  45203       11.25    106.17  ETHYL BENZENE                                143
R0001  45205       39.23    106.17  1,3 DIMETHYLBENZENE                          153
R0001  45204        8.66    106.17  ORTHOXYLENE                                  163
R0003     96.00   4.00             TABLE A-3                                       2
R0003  43800       77.00     35.00  C1-C3 PARAFFINS, NON-REACTIVES                13
R0003  45201        6.00     78.12  BENZENE                                       23
R0003  43200        1.00     35.00  C4+ PARAFFINS, OLEFINS                        33
R0003  43200       13.00     35.00  C4+ PARAFFINS, OLEFINS                        43
R0003  45100        3.00     95.64  PRIM. AND SEC-ALKYL BENZENES                  53
X0001                              X0001  70% STODDARD/30% PERCHLOROETHYLENE       2
X0001  43107         .20    114.23  ISOMERS OF OCTANE                             13
X0001  43108        8.20    128.26  ISOMERS OF NONANE                             23
X0001  43109       20.80    142.29  ISOMERS OF DECANE                             33
X0001  43110         .80    156.32  ISOMERS OF UNDECANE                           43
X0001  43817       70.00    165.83  PERCHLOROETHYLENE                             53
X0002     90.00  10.00  03.67             X0002 COM HGHWY VEH. PROFILE             2
X0002  43212        5.59     58.12  N-BUTANE                                      13
X0002  43122       16.55     72.15  ISOMERS OF PENTANE                            23
X0002  43105        6.19     86.19  ISOMERS OF HEXANE                             33
X0002  43106        5.50    100.21  ISOMERS OF HEPTANE                            43
X0002  43107        7.76    114.23  ISOMERS OF OCTANE                             53
X0002  43108         .98    128.26  ISOMERS OF NONANE                             63
X0002  43109        0.39    142.29  ISOMERS OF DECANE                             73
X0002  43203        6.87     28.05  ETHYLENE                                      83
X0002  43205        4.84     42.08  PROPYLENE                                     93
X0002  43120        4.15     56.10  ISOMERS OF BUTENE                            103
X0002  43121        3.95     70.14  ISOMERS OF PENTENE                           113
X0002  43245        1.26     84.16  1-HEXENE                                     123
X0002  43561        0.76     98.15  CYCLOHEXANONE                                133
X0002  45102        2.64    106.17  ISOMERS OF XYLENE                            143
X0002  45105        0.06    134.22  ISOMERS OF BUTYLBENZENE                      153
X0002  45107        2.15    120.19  ISOMERS OF TRIMETHYLBENZENE                  163
X0002  45202       10.61     92.15  TOLUENE                                      173
X0002  45203        0.56    106.17  ETHYLBENZENE                                 183
X0002  43502        3.67     30.03  FORMALDEHYDE                                 193
X0002  43206        5.16     26.04  ACETYLENE                                    203
X0002  43201        6.45     16.04  METHANE                                      213
X0002  43202        0.80     30.07  ETHANE                                       223
X0002  45201        2.69     78.12  BENZENE                                      233
X0002  43265        0.05    112.14  1-OCTENE                                     243
X0003     00.00  00.00  00.00    K0334(16%),K0172(13%),D0333(28%),K0181(41%)       2
X0003  43118        2.2     114.00  MINERAL SPIRITS                               13
X0003  43119         .41    114.00  LACTOL SPIRITS                                23
X0003  43201       23.02     16.04  METHANE                                       33
X0003  43202        4.06     30.07  ETHANE                                        43
X0003  43203        2.34     28.05  ETHYLENE                                      53
X0003  43204        1.46     44.09  PROPANE                                       63
X0003  43205         .54     42.08  PROPYLENE                                     73
X0003  43212        3.74     58.12  N-BUTANE                                      83
X0003  43213         .18     56.10  BUTENE                                        93
X0003  43214         .68     58.12  ISOBUTANE                                    103
X0003  43231        2.54     86.18  N-HEXANE                                     113
X0003  43232        2.7     100.21  N-HEPTANE                                    123
X0003  43302        9.73     46.07  ETHYL ALCOHOL                                133
X0003  43303        3.28     60.09  N-PROPYL ALCOHOL                             143
X0003  43304        6.07     60.09  ISOPROPYL ALCOHOL                            153
X0003  43351         .12     74.12  ETHYL ETHER                                  163
X0003  43433        9.42     88.10  ETHYL ACETATE                                173
X0003  43434         .53    102.13  PROPYL ACETATE                               183
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TABLE C-2 (continued)

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X0003  43444        8.24    104.00  ISOPROPYL ACETATE                                193
X0003  43452         .55    132.00  2-ETHOXYETHYL ACETATE                            203
X0003  43551         .33     58.08  ACETONE                                          213
X0003  43552        3.20     72.10  METHYL ETHYL KETONE                              223
X0003  43802        9.80     84.94  DICHLOROMETHANE                                  233
X0003  45202        4.9      92.15  TOLUENE                                          243
X0004     00.00   00.00   00.00   X0004 D0101=33%,K0098=33%,K0315=33%                  2
X0004  43105        2.20     86.18  ISOMERS OF HEXANE                                 13
X0004  43107        1.87    114.23  ISOMERS OF OCTANE                                 23
X0004  43108        6.87    128.26  ISOMERS OF NONANE                                 33
X0004  43109        5.53    142.29  ISOMERS OF DECANE                                 43
X0004  43115         .80     98.19  C-7 CYCLOPARAFFINS                                53
X0004  43116         .20    112.23  C-8 CYCLOPARAFFINS                                63
X0004  43117        1.60    126.26  C-9 CYCLOPARAFFINS                                73
X0004  43122         .13     72.15  ISOMERS OF PENTANE                                83
X0004  43204         .23     44.09  PROPANE                                           93
X0004  43212         .75     58.12  N-BUTANE                                         103
X0004  43213         .13     56.10  BUTENE                                           113
X0004  43214         .17     58.12  ISOBUTANE                                        123
X0004  43220        4.49     72.15  N-PENTANE                                        133
X0004  43224         .83     70.14  1-PENTENE                                        143
X0004  43228        7.40     70.14  2-METHYL-2-BUTENE                                153
X0004  43231        7.50     86.18  N-HEXANE                                         163
X0004  43232        3.73    100.21  N-HEPTANE                                        173
X0004  43233        5.67    114.23  N-OCTANE                                         183
X0004  43235        4.94    128.26  N-NONANE                                         193
X0004  43241        6.77    156.32  N-UNDECANE                                       203
X0004  43248         .50     84.16  CYCLOHEXANE                                      213
X0004  43255        6.07    170.34  N-DODECANE                                       223
X0004  43258        5.90    184.36  N-TRIDECANE                                      233
X0004  43259        3.90    198.40  N-TETRADECANE                                    243
X0004  43260        2.40    212.42  N-PENTADECANE                                    253
X0004  45102        6.83    106.17  ISOMERS OF XYLENE                                263
X0004  45104        2.17    120.19  ISOMERS OF ETHYLTOLUENE                          273
X0004  45105        1.47    134.22  ISOMERS OF BUTYLBENZENE                          283
X0004  45107        1.83    120.19  ISOMERS OF TRIMETHYLBENZENE                      293
X0004  45201        1.63     78.12  BENZENE                                          303
X0004  45202        5.30     92.15  TOLUENE                                          313
X0005     00.00   00.00   00.00   X0005 METHYL ISOBUTYL KETONE                         2
X0005  43560      100.00    100.16  METHYL ISOBUTYL KETONE                            13
X0006                             X0006                                                2
X0006  43105        8.90     86.18  ISOMERS OF HEXANE                                 13
X0006  43106        2.19    100.21  ISOMERS OF HEPTANE                                23
X0006  43107        2.24    114.23  ISOMERS OF OCTANE                                 33
X0006  43108         .26    128.26  ISOMERS OF NONANE                                 43
X0006  43115         .24     98.19  C-7CYCLOPARAFFINS                                 53
X0006  43122       27.56     72.15  ISOMERS OF PENTANE                                63
X0006  43204        1.71     44.09  PROPANE                                           73
X0006  43212       18.94     58.12  N-BUTANE                                          83
X0006  43213        1.73     56.10  BUTENE                                            93
X0006  43214        6.31     58.12  ISOBUTANE                                        103
X0006  43220       10.28     72.15  N-PENTANE                                        113
X0006  43224        6.02     70.14  1-PENTENE                                        123
X0006  43231        2.56     86.18  N-HEXANE                                         133
X0006  43232         .70    100.21  N-HEPTANE                                        143
X0006  43233         .16    114.23  N-OCTANE                                         153
X0006  43235         .03    128.26  N-NONANE                                         163
X0006  43238         .12    142.29  N-DECANE                                         173
X0006  43248        2.20     84.16  CYCLOHEXANE                                      183
X0006  45102        2.18    106.17  ISOMERS OF XYLENE                                193
X0006  45103         .23    134.22  DIMETHYLETHYLBENZENE                             203
X0006  45104         .60    120.19  ISOMERS OF ETHYLTOLUENE                          213
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TABLE C-2 (continued)

X0006	45105	.08	134.22	ISOMERS OF BUTYLBENZENE	223
X0006	45107	.54	120.19	ISOMERS OF TRIMETHYLBENZENE	233
X0006	45108	.02	120.19	ISOMERS OF PROPYLBENZENE	243
X0006	45201	1.17	78.12	BENZENE	253
X0006	45202	2.47	92.15	TOLUENE	263
X0007	00.00	00.00	00.15	X0007	2
X0007	43105	.40	86.18	ISOMERS OF HEXANE	13
X0007	43107	.35	114.23	ISOMERS OF OCTANE	23
X0007	43108	7.22	128.26	ISOMERS OF NONANE	33
X0007	43109	17.54	142.29	ISOMERS OF DECANE	43
X0007	43110	.63	156.32	ISOMERS OF UNDECANE	53
X0007	43115	.52	98.19	C-7 CYCLOPARAFFINS	63
X0007	43116	.06	112.23	C-8 CYCLOPARAFFINS	73
X0007	43117	.11	126.26	C-9 CYCLOPARAFFINS	83
X0007	43118	.53	114.00	MINERAL SPIRITS	93
X0007	43119	.01	114.00	LACTOL SPIRITS	103
X0007	43122	.10	72.15	ISOMERS OF PENTANE	113
X0007	43201	.76	16.04	METHANE	123
X0007	43202	.13	30.07	ETHANE	133
X0007	43203	.08	28.05	ETHYLENE	143
X0007	43204	.12	44.09	PROPANE	153
X0007	43205	.02	42.08	PROPYLENE	163
X0007	43212	.30	58.12	N-BUTANE	173
X0007	43213	.02	56.10	BUTENE	183
X0007	43214	1.41	58.12	ISOBUTANE	193
X0007	43220	.41	72.15	N-PENTANE	203
X0007	43224	.04	70.14	1 PENTENE	213
X0007	43228	.51	70.14	2-METHYL 2-BUTENE	223
X0007	43231	4.51	86.18	N-HEXANE	233
X0007	43232	.35	100.21	N-HEPTANE	243
X0007	43233	.39	114.23	N-OCTANE	253
X0007	43235	.34	128.26	N-NONANE	263
X0007	43241	.47	156.32	N-UNDECANE	273
X0007	43248	3.84	84.16	CYCLOHEXANE	283
X0007	43255	.42	170.34	N-DODECANE	293
X0007	43258	.41	184.36	N-TRIDECANE	303
X0007	43259	.27	198.40	N-TETRADECANE	313
X0007	43260	.17	212.42	N-PENTADECANE	323
X0007	43301	2.11	32.04	METHYL ALCOHOL	333
X0007	43302	11.07	46.07	ETHYL ALCOHOL	343
X0007	43303	.11	60.09	N-PROPYL ALCOHOL	353
X0007	43304	14.29	60.09	ISOPROPYL ALCOHOL	363
X0007	43305	.29	74.12	N-BUTYL ALCOHOL	373
X0007	43306	.11	74.12	ISOBUTYL ALCOHOL	383
X0007	43367	2.08	62.07	GLYCOL ETHER	393
X0007	43369	.95	76.00	PROPYLENE GLYCOL	403
X0007	43370	.11	62.07	ETHYLENE GLYCOL	413
X0007	43433	.31	88.10	ETHYL ACETATE	423
X0007	43434	.02	102.13	PROPYL ACETATE	433
X0007	43435	.79	116.16	N-BUTYL ACETATE	443
X0007	43444	.27	104.00	ISOPROPYL ACETATE	453
X0007	43446	.28	116.16	ISOBUTYL ACETATE	463
X0007	43451	1.12	144.21	ISOBUTYL ISOBUTYRATE	473
X0007	43452	.26	132.00	2-ETHOXYETHYL ACETATE	483
X0007	43502	.15	30.03	FORMALDEHYDE	493
X0007	43551	3.40	58.08	ACETONE	503
X0007	43552	3.63	72.10	METHYL ETHYL KETONE	513
X0007	43559	.13	100.16	METHYL N-BUTYL KETONE	523
X0007	43560	1.35	100.16	METHYL ISOBUTYL KETONE	533
X0007	43802	.32	84.94	DICHLORO METHANE	543
X0007	43817	6.10	165.83	PERCHLOROETHYLENE	553
X0007	43819	.30	173.85	METHYLENE BROMIDE	563

TABLE C-2 (continued)

X0007	45101	1.13	114.00	NAPHTHA	573
X0007	45102	2.40	106.17	ISOMERS OF XYLENE	583
X0007	45104	.15	120.19	ISOMERS OF ETHYLTOLUENE	593
X0007	45105	.10	134.22	ISOMERS OF BUTYLBENZENE	603
X0007	45107	.13	120.19	ISOMERS OF TRIMETHYLBENZENE	613
X0007	45201	.48	78.12	BENZENE	623
X0007	45202	2.63	92.15	TOLUENE	633
X0007	45203	.79	106.17	ETHYLBENZENE	643
X0008			00.00	K0272(33%),K0273(33%),K0274(33%)	2
X0008	43105	8.10	86.18	ISOMERS OF HEXANE	13
X0008	43106	1.60	100.21	ISOMERS OF HEPTANE	23
X0008	43107	0.30	114.23	ISOMERS OF OCTANE	33
X0008	43115	47.70	98.19	C-7 CYCLOPARAFFINS	43
X0008	43116	2.10	112.23	C-8 CYCLOPARAFFINS	53
X0008	43231	13.10	86.18	HEXANE	63
X0008	43232	0.60	100.21	HEPTANE	73
X0008	43233	0.10	114.23	OCTANE	83
X0008	43242	0.10	70.14	CYCLOPENTANE	93
X0008	43248	5.60	84.16	CYCLOHEXANE	103
X0008	43262	17.10	84.16	METHYLCYCLOPENTANE	113
X0008	45202	0.10	92.15	TOLUENE	123
X0008	45201	3.50	78.12	BENZENE	133
X0009			00.00	K0148(25%),K0155(25%),402006C(25%),402007B(25%)	2
X0009	43118	38.08	114.00	MINERAL SPIRITS	13
X0009	45102	2.75	106.16	XYLENE	23
X0009	45202	12.00	92.13	TOLUENE	33
X0009	43561	2.00	98.15	CYCLOHEXANONE	43
X0009	43551	12.33	58.08	ACETONE	53
X0009	43552	12.05	72.10	METHYL ETHLY KETONE	63
X0009	43304	6.53	60.09	ISO-PROPYL ALCOHOL	73
X0009	43445	1.00	140.00	METHYL AMYL ACETATE	83
X0009	43560	0.68	100.16	METHYL ISOBUTYL KETONE	93
X0009	43301	0.18	32.04	METHYL ALCOHOL	103
X0009	43302	0.13	46.07	ETHYL ALCOHOL	113
X0009	43305	1.78	74.12	N-BUTYL ALCOHOL	123
X0009	43433	0.80	88.10	ETHYL ACETATE	133
X0009	43435	3.58	116.16	N-BUTYL ACETATE	143
X0009	43444	4.25	104.00	ISOPROPYL ACETATE	153
X0009	43233	0.20	114.23	OCTANE	163
X0009	43248	9.70	84.16	CYCLOHEXANE	173
X0010			00.00	12.5% OF K0148;402004D&E;K0134,56;K0162,4;K0092	2
X0010	43118	31.26	114.00	MINERAL SPIRITS	13
X0010	45102	2.59	106.17	XYLENE	23
X0010	45202	2.88	92.15	TOLUENE	33
X0010	43561	1.00	98.19	CYCLOHEXANONE	43
X0010	43551	4.78	58.08	ACETONE	53
X0010	43552	5.56	72.10	METHYL ETHYL KETONE	63
X0010	43304	3.90	60.09	ISOOPROPYL ALCOHOL	73
X0010	43445	0.50	140.00	METHYL AMYL ACETATE	83
X0010	43220	0.08	72.15	N-PENTANE	93
X0010	45101	2.75	114.00	NAPTHA	110
X0010	43205	0.30	42.08	PROPYLENE	113
X0010	43560	1.30	100.16	METHYL ISOBUTYL KETONE	123
X0010	43213	0.11	56.10	BUTENE	133
X0010	43301	0.41	32.04	METHYL ALCOHOL	143
X0010	43224	0.30	70.14	1-PENTENE	153
X0010	43302	0.31	46.07	ETHYL ALCOHOL	163
X0010	43502	0.41	30.03	FORMALDEHYDE	173
X0010	43305	1.66	74.12	N-BUTYL ALCOHOL	183
X0010	43367	2.11	62.07	GLYCOL ETHER	203
X0010	43432	0.39	74.08	METHYL ACETATE	213
X0010	43433	1.46	88.10	ETHYL ACETATE	223

TABLE C-2 (continued)

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X0010  43435        19.25     116.16  N-BUTYL ACETATE                                 233
X0010  43444         2.98     104.00  ISOPROPYL ACETATE                               243
X0010  43204         0.43      44.09  PROPANE                                         253
X0010  43212         2.94      58.12  N-BUTANE                                        263
X0010  43203         0.25      28.05  ETHYLENE                                        273
X0010  43201         9.44      16.04  METHANE                                         283
X0010  43202         0.63      30.07  ETHANE                                          293
X0011                     03.11  14.3% OF K0164,6;K0172,K0183,405004B,405005C           2
X0011  43204         1.71      44.09  PROPANE                                          13
X0011  43212         0.14      58.12  N-BUTANE                                         23
X0011  43201        11.44      16.04  METHANE                                          33
X0011  43202         3.43      30.07  ETHANE                                           43
X0011  43302         6.80      46.07  ETHYL ALCOHOL                                    53
X0011  43303        17.76      60.09  N-PROPYL ALCOHOL                                 63
X0011  43304         2.39      60.09  ISOPROPYL ALCOHOL                                73
X0011  43351         0.13      74.12  ETHYL ETHER                                      83
X0011  43433         2.16      88.10  ETHYL ACETATE                                    93
X0011  43452         0.20     132.00  ACETIC ACID 2-ETHOXYETHYL ESTER                 103
X0011  43203         0.29      28.05  ETHYLENE                                        113
X0011  43205         4.80      42.08  PROPYLENE                                       123
X0011  43213         1.94      56.10  N-BUTANE                                        133
X0011  43224         1.70      70.13  1-PENTENE                                       143
X0011  43502         3.11      30.03  FORMALDEHYDE                                    153
X0011  43118        31.00     114.00  MINERAL SPIRITS                                 163
X0011  45102         1.14     106.15  XYLENE                                          173
X0011  45202         3.71      92.13  TOLUENE                                         183
X0011  43248         1.43      84.16  CYLCOHEXANE                                     193
X0011  45106         1.00     134.21  ISOMERS OF DIETHYLBENZENE                       203
X0011  45203         0.86     106.16  ETHYLBENZENE                                    213
X0011  43301         0.86      32.04  METHYL ALCOHOL                                  223
X0011  43305         0.86      74.12  N-BUTYL ALCOHOL                                 233
X0011  43435         1.14     116.15  N-BUTYL ACETATE                                 243
X0012                     00.00  X0012     METHYL ACETATE                               2
X0012  43432       100.00      74.08  METHYL ACETATE                                   13
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